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MEAT ENTREE OPERATION GUIDES DEVELOPED FOR USE IN FORT LEE INTERIM CENTRAL FOOD PREPARATION FACILITY

by
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November 1978

Final Report FEL-84

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U.S. Army Natick Soldier Research, Development and Engineering Center Natick, Massachusetts 01760-5000

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MILITARY FEEDING FOOD PREPARATION FROZEN FOODS GARRISON FEEDING FOOD SERVICES PRODUCTION GUIDES FOOD SYSTEMS FORT LEE	FOOD PACKAGING GARRISON FEEDING MEAT ENTREES MILITARY FACILITIES
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Many production guides have been developed by MAD	ADCOM which adopt wasters
Many production guides have been developed by NARV to cook-freeze systems and to production operation preparation. However, these are general guides when and adapted to the facility using the guides and layout, personnel, and mission. The guides in the to the Interim Central Food Preparation Facility was To differentiate these guides, they are called Operation Central Food Preparation Facility was also preparation.	ns rather than kitchen nich then have to be refined its specific equipment, is report have been adapted which will go on-line in FY78.

READ INSTRUCTIONS BEFORE COMPLETING FORM

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PREFACE

Cook-freeze food service systems tailored for specific situations are being used or contemplated for use in several Armed Forces feeding situations. It is anticipated that the use of these types of systems will become increasingly important in the future.

Since the cook-freeze approach separates food preparation from food serving, the facilities using it tend to have a food preparation operation that resembles a manufacturing system rather than one dealing with traditional dining halls. Lot sizes are larger and in some cases have been replaced with continuous operations. Sanitation and formal quality control become much more important, since time for microbiological growth is extended, and personal supervision becomes diluted. Recipes used in standard operations must be altered.

The concept of Central Food Preparation Systems for garrison feeding has been approved by the Army. In order to test the concept further, an interim central food preparation facility (I-CFPF) has been established at Fort Lee, Virginia. NARADCOM has been tasked with technical help in the planning, start-up, operation, and evaluation of this facility. This report covers a part of that effort and is concerned with studies for producing entree items in the I-CFPF.

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MEAT ENTREE OPERATION GUIDES DEVELOPED FOR USE IN FORT LEE INTERIM CENTRAL FOOD PREPARATION FACILITY

INTRODUCTION

The Food Engineering Laboratory has developed a large number of Production Guides for various cook-freeze systems contemplated for use, or in use, in the Armed Forces. These guides are based upon the Armed Service Recipe Service or special hospital recipes and are set up for fairly large-scale production of products to be frozen for later rethermalization in the dining hall. The term "production guides" is used to differentiate them from the parent recipes. These guides have been kept rather general so that they may be adapted to the particular equipment, facility, and circumstances of the site at which they are to be used.

A request was received from US Army Troop Support Agency to adapt production guides for products to be used in I-CFPF at Fort Lee to the equipment and layout of that facility. To differentiate the documents produced from recipes and production guides, it was decided to call them "operational guides". Further, it was decided that the operational guides would consist of five sections: Ingredients, Procedure, Equipment Flow Sheet, Material Flow Sheet, and Packaging Requirements.

Later on when operations stabilize, the packaging instructions probably will be combined into a single document which will be referred to in the Operational Guide.

In some cases, Standard Operating Procedures will be used rather than

Operational Guides. This would be true particularly with the vegetables such as carrots and potatoes that are prepared in different ways as ingredients in other items. However, those SOP's are not included in this report.

Operational Guides always should be considered "live" documents, subject to change as conditions warrant. It is axiomatic that the guides contained herein will be changed at least in a minor way as they are put to use.

PROCEDURE

With a few exceptions it was not necessary to actually formulate the products in the Processing Laboratory, since this had been done in developing the original production guides. Based upon personal visits to Fort Lee, equipment lists, and layout diagrams, it was possible to develop the guides without actually producing the product. However, whenever there was any doubt, the product was made. Layout for the I-CFPF kitchen is shown in Fig. 1.

Basic to the design of the guides was selecting the key piece of equipment which would control processing and lot size. The guide was then based upon the lot size determined as optimal for that piece of equipment. In some cases, such as with jacketed kettles, more than one size is available so that different lot sizes are available for production scheduling.

Two pieces of information considered desirable by Troop Support Agency are not included in the Operational Guides in this report. These are an identifying number for each ingredient and critical control points in the process. The GSA catalogue numbers probably will be used for identifying numbers for the I-CFPF, although this has not yet been finalized. Establishment of critical control points has not been made because no agreement has been reached as yet on the criteria for such points. The philosophy and criteria for the points will depend upon the facility, operating personnel, quality control personnel, and the degree of formality desired by management.

OPERATIONAL GUIDE FOR BARBECUED BEEF

(SLOPPY JOE) N-27 INGREDIENTS & BATCH SIZE

4.3 hours 300, 500, % 800 servings	<u>Utensils</u>	Kettle (agitating)		Measuring stick
Est. Prep Time: Approx. Yield:	800 Servings 60-gal Kettle (1b)	240,00	7.7.0.7.8. 11 8.4.88.4.28	To make 36.00 gal
2/3 cup	500 Servings 40-gal Kettle	150.00		To make 22.5 gal
Standard Servings: 12 of 2/3 cup	300 Servings 40-gal Kettle (1b)	00°06	2.2.2.39 1.05 1.34 2.05 1.34	To make 13.5 gal
Standard Se	loo Servings (1b)	30.00	1. 4.000.7.00 4.000.37.1	To make. 4.5 gal
	*Index No•	310	5290 1410 15310 15850 9870 16000	
<pre>Controlling Equip: Kettles Container Net Wt.: 5 lb</pre>	<u>Ingrédients</u>	Beef, Buls, Ground	Onions, dehyd, chopped Catsup, tomato Mustard, prepared Salt, table Sugar, brown Water	Water
Ccntroll Ccntaine	Steps		a m	4

* FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 1977

OPERATIONAL GUIDE FOR BARBECUED BEEF (SLOPPY JOE) N-27

INSTRUCTIONS

		Check <u>Points</u>	Time (Minutes)
0-	Verify components, ingredients and spices as to number and amounts received from Prep. Area.		10
∞-	Deliver all components, etc., to Kettle Area.		5
1-	Place ground beef in kettle, turn on agitator to slow speed. Turn on steam; brown (sear) meat in its own juices. When meat is browned (loses all traces of pink), turn off steam and agitator; drain and discard fat and juices.		20
2-	Add water and all remaining ingredients and seasonings <u>except vinegar</u> to meat in kettle; turn on steam and agitator; mix well; simmer covered for 30 minutes with agitator on slow speed.		40
3 -	Turn off steam. Add vinegar to beef mixture; mix well.		5
1+-	Shut off agitator; raise level (volume) of mixture in kettle with water to required number of gallons using measuring stick. Mix well.		10
5 -	Transfer barbecued beef to filler.		10
6-	Fill half-size steam table pans with 5 1b of product.		20
7-	Pass filled pans of barbecued beef thru lidding machine to cover and close.		10
8-	Pass covered pans thru labelling machine. Labels should read:		10
	Barbecued Beef (Sloppy Joe) Net Wt: 5 lb Date Prepared Servings: 12 of 2/3 cup		
	Reconstitution Instructions: Heat covered pans in 325°F preheated ovens to internal temperature of 160°F.		

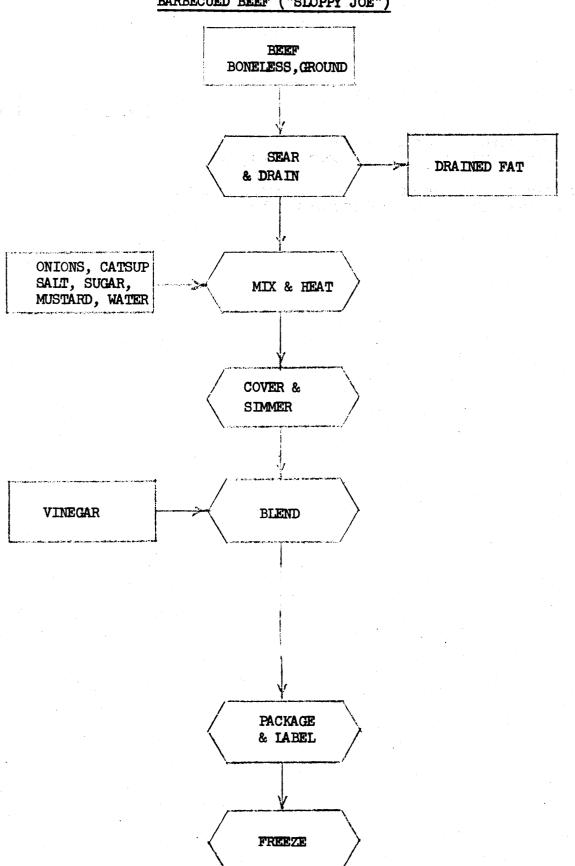
Check Points Time (Minutes)

Convection ovens: 1 hour 15 minutes Conventional (ordinary) ovens: 1 hour 30 minutes

Alternatively the Barbecued Beef may be poured (removed from foil pans) into kettle and warmed to 160°F.

12 MATERIAL FLOW

BARBECUED BEEF ("SLOPPY JOE")

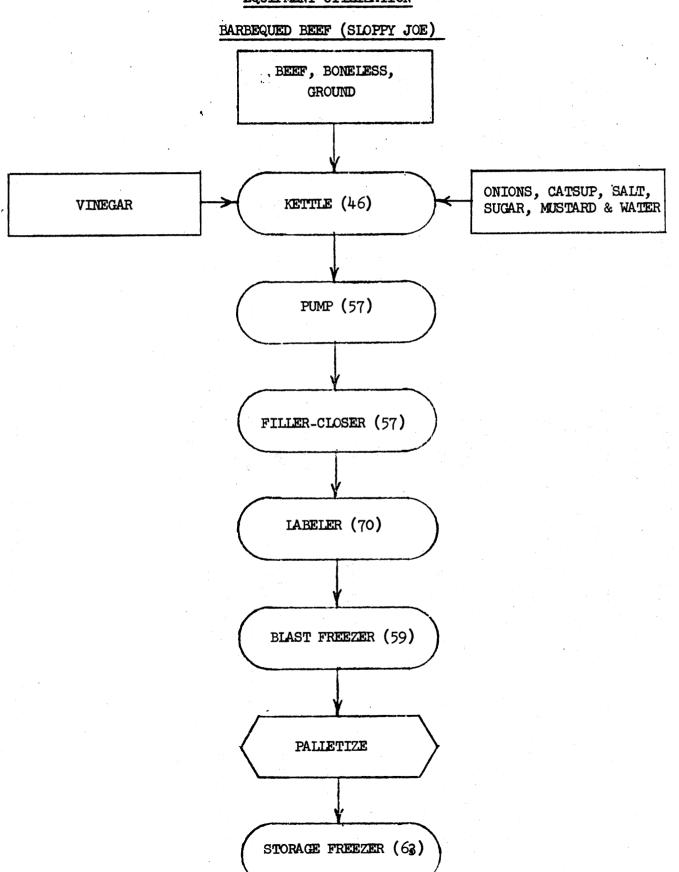


- Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment. Place items in specified amounts in appropriate size polyethylene bag.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. ۲,

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Label Instructions for Polyethylene Bagror Box (if used)	Beef for barbecued beef 30.00 lb	Onions, mustard, salt	beef * 1b 1b	Catsup for barbecued beef * 1b	Vinegar for barbecued beef * 1b
800 Servings (1b)	gs 240.00 (8 bags 0 1b) 30.00 1b) 5" X 29-1/2"	: 5.52	7.76 (1 bag 3 lb) 2.80 21.60 lb) 5" X 29-1/2"	35 57.04 (4 bags 3 1b) 14.26 1b) 5" X 29-1/2"	11.20 (1 bag 1b) 11.20 1b) 5" X 29-1/2"
500 Servings (1b)	150.00 (5 bags 30.00 lb) Bag size = 15" X 29-1/2"	3.45	4.85 (1 bag 1.75 13.50 lb) 3.45 Bag size = 15" X 29-1/2"	35.65 (3 bags 11.89 lb) Bag size = 15" X 29-1/2"	7.00 (1 bag 7.00 lb) Bag size = 15" X 29-1/2"
300 Servings	90.00 (3 bags 30.00 lb)	2.07	2.91 (1 bag 1.05 8.10 lb) 2.07	21.39 (2 bags 10.685 lb)	4.20 (1 bag 4.20 lb)
Ingredients	Beef, boneless, ground	Onions, dehydrated, chopped	Mustard, prepared Salt, table Sugar, brown	Catsup, tomato	Vinegar, white

14
EQUIPMENT UTILIZATION



OPERATIONAL GUIDE FOR BEEF STEW

Vegetables: Fresh Camots - 3-inch slice 4210 Celery - 3/4-inch pieces 4270 Potatoes - 3/4-inch cubes 5970 Onions - 3/4-inch 5320	Water	canned canned	, starch	1. Water	3 Shortening 14	2 Insidering Mixture 8 Flour 15 Salt 15 Pepper 15 Sugar 9	Beef, Bnls, diced 3/4" cubes	Steps Ingredients *I	Controlling Equip: Steam Kettles Container Wt: 6.25 lb	
1210 15 1270 15 1970 15 120		6420	15850 15990 14310 SE**		14080	9300 15850 15480 930	290	*Index		
3.00 3.00 3.00	12.50	7.00	0.01 0.01 191	12.50	0.75	0.000 0.000 0.000	30.00	100 Servings (1b)	Servings/Conta Wt per gallon:	INCREDIENT
24.00 12.00 24.00 9.00	37.50	21.00	1.05	37.50	2,25	0.083 0.093	%. %	300 Servings 40-gal Kettle (Ib)	Container: 10 of allon: 7.5 lb	INGREDIENTS & BATCH SIZE L-22
5.25 5.25 5.25 5.25 5.25 5.25 5.25 5.25	62.50	35.00	%%%% %%%%	62.50	3.75	1.75 1.75 1.00 1.00	150.00	500 Servings 60-gal Kettle (1b)	10 oz	ና 22
56.00 21.00	87.50	49.00	2.45 0.07 3.08	87.50	5.25	1.02.3 2.3.30	210.00	700 Servings 80-gal Kettle (1b)	Est. Prep Time: Approx. Yield:	
Stirring Equip Mechanical or Manual paddle			5-gal Pot Whip			Kettle	Breading Machine	Utensils	Approx. 4.7 hours 300, 500, & 700 servings	

FSC Group 89 Subsistence Catalog (1 Jan 77) (08900-SI) Special Purchase

L	10	7 & 8 9	6	Уī	Steps	
Storage	Freezing	Filling & Closing Marking & Labelling	Chilling	Water, hot	*Index No.	
				To make 8.35 gal	(<u>Tb)</u>	100 Servings
				To make 25.00 gal	Kettle (1b)	300 Servings 40-gal
				To make	Kettle (1b)	500 Servings 60-cal
				To make 58.50 gal	Kettle (1b)	700 Servings 80- <i>g</i> al
				Measuring stick	<u>Utensils</u>	

OPERATIONAL GUIDE FOR BEEF STEW L-22 INSTRUCTIONS

		Check <u>Points</u>	Time (Minutes)
0-	Verify components and ingredients as to number and amounts received from Prep. Area.		10
00-	Deliver beef and dredging mixture to "Breader". Deliver vegetables to "pass thru steamer".		
1&2-	Load "breader" with dredging mixture and run beef thru "breader".		15
3-	Transfer dredged beef to kettle with shortening - Turn steam on, melt shortening; add beef stirring to brown beef (approximately 15 min).		15
) -	Add water, starch, spices, and crushed tomatoes to beef in kettle; mix thoroughly; heat and simmer for 60 minutes or longer until beef is tender.		60
5 - .	Put vegetables in pass thru steamer at 15 PSI as follows:		
	Carrots for 6 min, approximately Celery for 7 min, approximately Onions for 6 min, approximately Potatoes for 12 min, approximately		
	The vegetables should be firm but cooked. Transfer vegetables to the beef-tomato mixture in kettle. Mix thoroughly.		
6-	Raise level (volume) of product in kettle with water to required number of gallons, using measuring stick. Mix thoroughly. Shut off steam.		10
7-	Transfer product to Filler tank.		20
8-	Fill half-size table pans with 6.25 1b of Beef Stew.		10
9-	Pass Pans thru lidding machine to cover and close.		10
10-	Pass pans thru labelling machine. Labels should read:		10
	Beef Stew Net Wt 6.25 lb Date Prepared Servings: 10 of 10 oz		

Check Points

Time (Minutes)

Reconstitution Instructions:

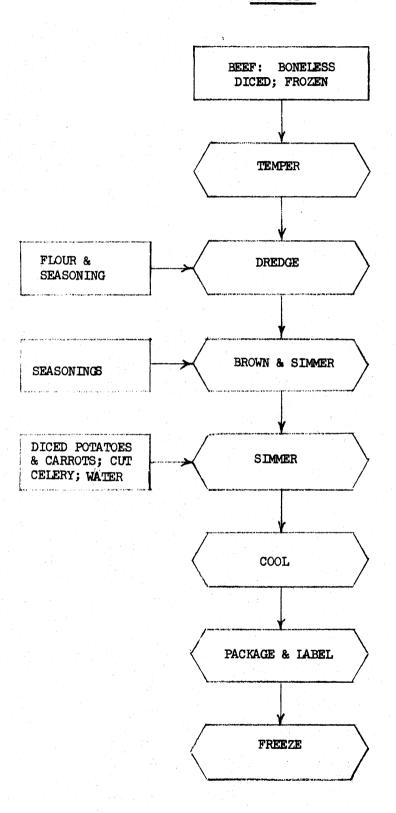
Heat covered pans in preheated ovens for approximately 1 hour and 15 minutes

Convection oven - approximately 1 hour and 30 minutes

Conventional (ordinary) oven - Product temperature should be 160 F.

Alternatively this product may be poured into steam kettle and heated to 160°F.

19 MATERIAL FLOW BEEF STEW



Prepare items for transportation in one of the following manners:

Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.

? Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to

shipment, cover with plastic lid.

9

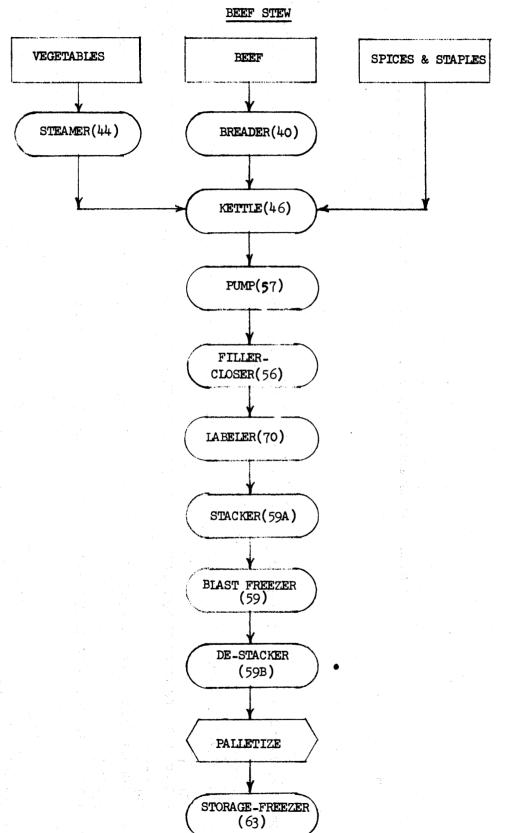
(Spices) * lbs	0.07 5.67 lbs) 3.08	0.05 4.05 lbs) 2.20 Bag size = 10" X 18"	0.03 2.43 lbs) 1.32	Bay Leaves Col-Flo 67, starch
Salt, thyme, bay l	2.45	1.75	1.05	SPICES Salt
Shortening for beef stew (Dredging Mixture) * lbs	5.25 (1 bag 5.25 lbs)	3.75 (1 bag 3.75 lbs) Bag size = 10" X 18"	2.25 (1 bag 2.25 1bs)	Shortening
Flour, salt, pepper and sugar for beef stew (Dredging Mixture) * lbs	3.50 2.45 (1 bag 0.14 7.49 lbs) 1.40	2.50 1.75 (1 bag 0.10 5.35 lbs) 1.00 Bag size = 10" X 18"	1.50 1.05 (1 bag 0.06 3.2 1bs) 0.60	Flour Salt Pepper Sugar
Beef, diced for beef stew 30.00 lbs	210.00 (7 -30 1b bags)	150.00 (5 - 30 lb bags) Bag size = 15" X 29-1/2"	90.00 (3 - 30 lb bags)	Beef, Bnls, diced, 3/4" cubes DREDGING MIXTURE
Label Instructions for Polyethylene Bag or Box (if used)	700 Servings (1bs)	500 Servings (1bs)	300 Servings (1bs)	Ingredients

^{*}Appropriate weight to be written is dependent on number of servings.

21 Tomatoes, whole, canned		Onions	Potatoes	Celery	Carrots	VEGETABLES: FRESH	Ingredients
'21.00(2-10.5 lb bags)		9.00(1-9 lb bag)	24.00(2-12 lb bags)	12.00(1-12 lb bag)	24.00(2-12 lb bags)		300 Servings (1bs)
35.00(2-17.5 lb bags) 'Bag size = 15" X 29-1/2"	Bag size = 15" X 29-1/2"	15.00(1-15 lb bag)	40.00(4-10 lb bags)	20.00(2-10 lb bags)	40.00(4-10 lb bags)		500 Servings (1bs)
49.00(4-12.25 lb bags)Tomatoes for beef stew /2" hbs	/2"	21.00(2-10.5 lb bags) Onions for beef stew	56.00(4-14 lb bags) Potatoes for beef stew * lbs	28.00(2-14 lb bags) Celery for beef stew * lbs	56.00(4-14 lb bags) Carrots for beef stewlbs		700 Label Instructions for Servings Polyethylene Bag or Box (if used)
eef stew		of stew	ef stew	stew	f stew		or Box

*Appropriate weight to be written is dependent on number of servings.

22 EQUIPMENT UTILIZATION



OPERATIONAL GUIDE FOR BARBECUED BEEF CUBES I-18

INGREDIENTS & BATCH SIZE

Water	3 Vinegar	Water	2 Sauce Onion, dehyd, sliced Chili powder Mustard, grd, dry Sugar, light brown Salt, table Tomato paste (26% solids) Worcestershire sauce Hot sauce, Tabasco Col-Flo 6%, starch	Water	Flour, wheat Pepper, black Salt, table	<pre>1 Beef, Bnls, diced 1-inch x l2-inch pieces</pre>	Steps Ingredients	Controlling Equip: Kettle Container Net Wt.: 5 lb 4 oz
	16000	V	\$2000 15100 1510		8300 15480 15850	290	*Index	
To make 5.25 gal	0.76	7.50	84881788888 6460000000	7.50	1.00 0.01 0.13	30.00	100 Servings (1b)	Standard Ser
To make 15.75 gal	2.28	22.50	82488488 40040004	22,50	0.03	∞. ω	300 Servings 40 gal Kettle (1b)	Servings: 14 of 6 oz
To make_ 26.25 gal	3.80	37.50	\$	37.50	0.0% 0.0%	150.00	500 Servings 40 gal Kettle (1b)	6 oz Est. 1 Appro
To make 42.00 gal	6.08	60.00	87488498	60.00	1.04 0.08 0.08	240.00	800 Servings 60 gal Kettle (1b)	o •
Measuring stick			Pot & Whip	Kettle	Fryer	Breader	<u> Utensils</u>	Prep Time: 5.4 hours x. Yield: 300, 500, 800 servings

^{*} FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 1977

** Special Purchase

OPERATIONAL GUIDE FOR BARBECUED BEEF CUBES L-18

INSTRUCTIONS

NOT	E: This product cannot be pumped, pieces are too large. Piece size is maintained to preserve product integrity and add variation to menu.	Check <u>Points</u>	Time (Minutes)
0-	Verify components, ingredients and spices as to number and amounts received from Prep. Area.		10
00-	Deliver diced beef, flour, pepper, and salt to breading area and remaining ingredients and spices to Kettle Area.		10
1-	Combine flour, salt, and pepper; mix well and load breading machine. Preheat deep fat fryer (360°F). Pass diced beef pieces thru breader and fryer to brown (sear) until all pink color disappears (about 3-5 minutes). Transfer browned beef pieces to kettle, add water, cover and simmer for 55 minutes.		90
2-	Combine all dry seasonings, starch, tomato paste, worcestershire sauce, hot sauce, and water in a pot; mix well to make slurry; crush all lumps. Add slurry to beef in kettle; mix well and simmer for 25 minutes or until meat is tender.		35
3-	Add vinegar to mixture in kettle; mix well. Raise level (volume) of product in kettle with water to required number of gallons using measuring stick; mix well. Shut off steam.		10
1-	Place 5 lb 4 oz of well mixed product in half-size steam table aluminum pans.		30
5 -	Pass filled pans of Barbecued Beef chunks thru lidding machine to cover and close.		10
6-	Pass covered pans thru labelling machine. Labels should read:		10
	Barbecued Beef Cubes Net Wt: 5 lb 4 oz Date Prepared Servings: 14 of 6 oz		

Check <u>Points</u> Time (Minutes)

Reconstitution instructions:

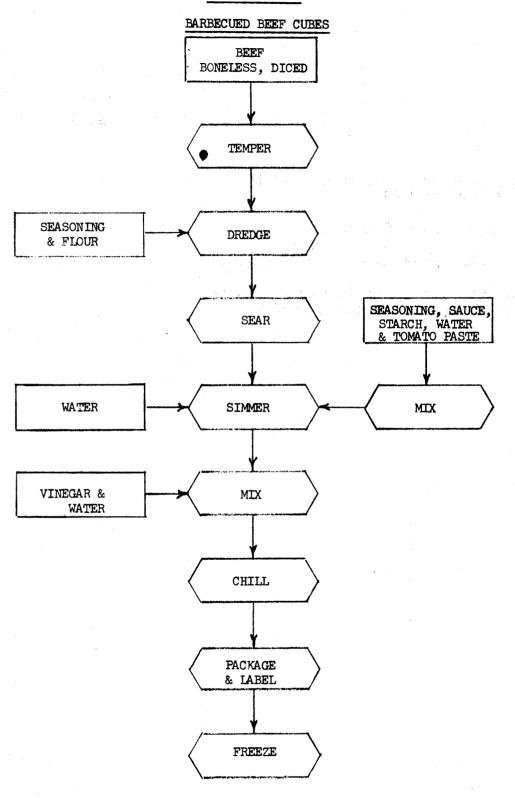
Heat covered pans in 325°F preheated ovens to internal temperature of 160°F.

Convection ovens - 1 hour 15 minutes

Conventional (ordinary) ovens - 1 hour 30 minutes

Alternatively, this product may be poured (removed from foil pans) in kettle and warmed to 160°F.

MATERIAL FLOW

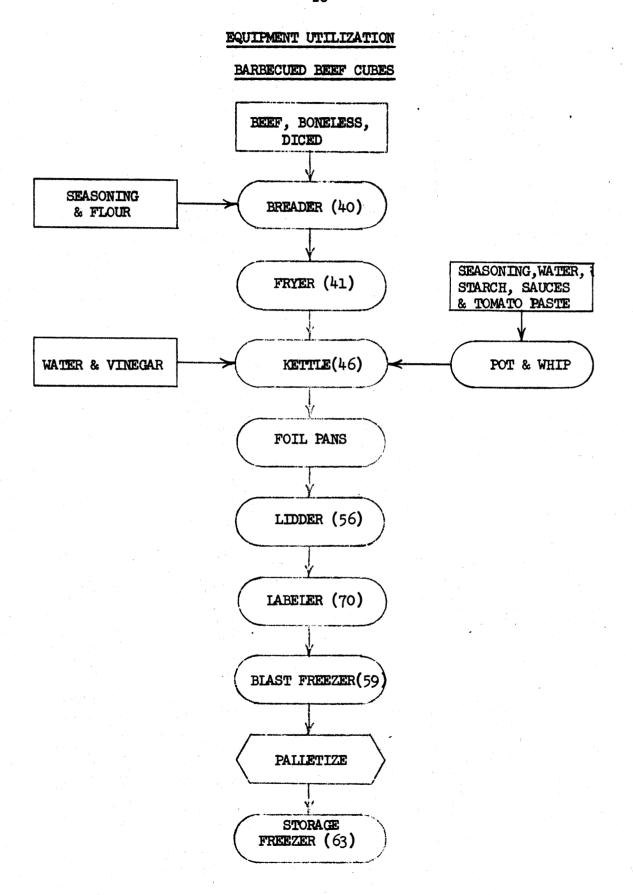


Prepare items for transportation in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. It plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
- shipment, cover with plastic lid. Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to

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Vinegar	Onions, dehydrated, sliced Chili powder Mustard, ground, dry Sugar, light brown Salt, table Worcestershire sauce Hot sauce, tabasco Col-Flo 67, starch	Sauce Tomato paste (26% solids)	Flour, wheat Pepper, black Salt, table	<pre>Ingredients Beef, boneless, diced, 1" X 1-1/2" pieces</pre>
2.28 (1 bag 2.28 lbs)	1.50 0.42 0.24 (1 bag 0.78 6.07 lbs) 0.39 0.78 0.18 1.80	11.40 (1 bag 11.40 lbs)	3.00 (1 bag 0.03 3.42 lbs) 0.39	300 Servings (1bs) 90.00 (3 bags 30.00 1bs)
3.80 (1 bag 3.80 lbs) Bag size = 10" X 18"	2.50 0.70 0.40 (1 bag 1.30 10.15 1bs) 0.65 1.30 0.30 0.30 3.00 Bag size = 15" X 29-1/2"	19.00 (2 bags 9.50 lbs) Bag size = 15" X 29-1/2"	5.00 (1 bag 0.05 5.70 lbs) 0.65 Bag size = 10" x 18"	500 Servings (1bs) 150.00 (5 bags 30.00 1bs) Bag size = 15" X 29-1/2"
6.08 (1 bag 6.08 lbs)	4.00 1.12 0.64 (2 bags 2.08 8.12 lbs) 1.04 2.08 2.08 0.48 4.80	30.40 (3 bags 10.13 lbs)	8.00 (1 bag 0.08 9.12 lbs) 1.04	800 Servings (1bs) 240.00 (8 bags 30.00 lbs)
Vinegar for barbecued beef cubes 1bs	Onions, chili powder, mustard, sugar, salt, worcestershire sauce, hot sauce and starch for barbecued beef cubes (sauce) * lbs	Tomato paste for barbecued beef cubes (sauce) * lbs	Flour, salt and pepper for barbecued beef cubes * lbs	Label Instructions for Polyethylene Bag or Box (if used) Beef for barbecued beef cubes 30.00 lbs



OPERATIONAL GUIDE FOR ERAISED BEEF CUBES L-148

INGREDIEWIS & BATCH SIZE

4	ω					N	H	Steps		Controll: Containe
Water	Col-Flo 67, starch Flour, wheat Water	Water, tap	Thyme, ground Bay leaves, ground	Garlic powder Soup & Gravy Base,	Salt, table Pepper, black Onion, dehydrated,	Gravy	Beef, Bnls, diced, 3/4 inch x 3/4 inch	Ingredients		Controlling Equip: Kettle Container Net Wt.: 5 lb
	SP**		15980 14310	17440	15850 15480 5290		290	*Index No.		
To make 4.25 gal	0.50 8.30	16.60	0.01	0.01	0.12 0.01 0.50	1 1 2 2 2 2	30.00	(4T)	100 Servings	Standard Ser
To make 12.75 gal	1.50 24.90	49.80	0.03	0.03 1.74	0.36 1.50		90.00	Kettle (1b)	300 Servings 20 gal	Standard Servings: 14 of 2/3 cup
To make 21.25 gal	±27.4 •5555	83.00	0.0 0.0 0.0	2.90	2000 7000		150.00	Kettle (1b)	500 Servings 40 gal	
To make 34 gal	11.92 1.92	132.80	0.08	+•6+ 64	4.00 80.96		240.00	Kettle (1b)	800 Servings 60 gal	Est Prep Time: Approx. Yield:
Measuring stick	Pot Whip						Kettle	<u>Utensils</u>		4.3 hours 300, 500, 800 servings

^{*} FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 77

^{**} Special Purchase

OPERATIONAL GUIDE FOR BRAISED BEEF CUBES L-148

INSTRUCTIONS

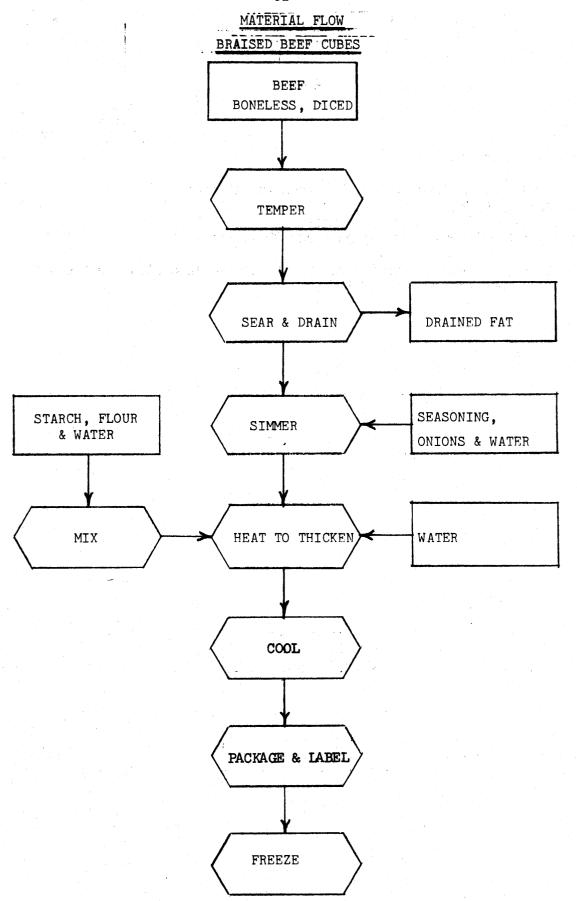
		Check Points	Time (Minutes)
O -	Verify components, ingredients, and spices as to number and amounts received from Prep. Area.		
00-	Deliver all components, ingredients, and spices to Kettle Area.		10
1-	Place diced beef in steam kettle with slow agitation, turn on steam and brown beef. Shut off steam, and drain and discard fat from product.		20
2-	Gravy:		
	Add the following to brown beef in kettle: Water, salt, pepper, onion, garlic powder, thyme, beef base, and ground bay leaves. Cover kettle and simmer for 1 hour (about 200 F). Stir occasionally. (Small amounts of water may be added periodically to aid in cooking.)		60
3-	Mix flour, Col-Flo 67 starch, and water in a pot to make a slurry. Add slurry to beef mixture in kettle and cook until starch thickens (approximately 5 minutes).		10
)+-	Raise level (volume) of kettle with water to required amount of gallons using measuring stick. Mix thoroughly. Shut off steam.		10
5-	Transfer product to filler.		10
6-	Measure 5 lb of braised beef cubes into half-size steam tabl pan.	e	15
7-	Pass pans thru lidding machine to cover and close.		
8-	Pass covered pans thru labelling machine. Labels should read:		10
	Braised Beef Cubes Net Wt.: 5 lb Date Prepared Servings: 1+ of 2/3 cup		

Check Points Time (Minutes)

Reconstitution Instructions:

Heat covered pans in preheated 325°F ovens to internal temperature of 160°F.
Convection oven - 1 hour and 15 minutes
Conventional (ordinary) oven - 1 hour and 30 minutes

Alternatively, the braised beef cubes may be poured into steam kettle and heated to product temperature of 165 F.



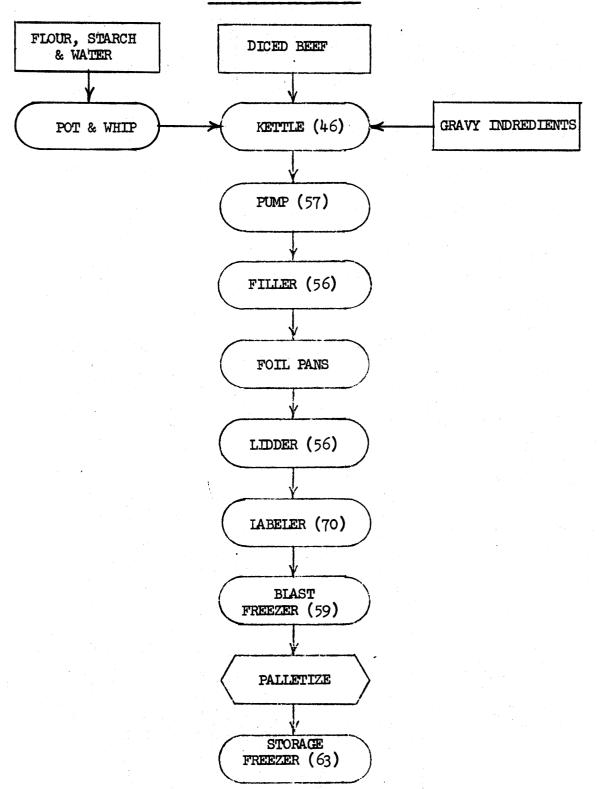
- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. o

Ingredients	300 Servings (1b)	500 Servings (1b)	800 Servings (1b)	Label Instructions for Polyethylene Bag or Box (if used)
Beef, boneless, diced 3/4" X 3/4"	90.00 (3 bags 30.00 lb)	150.00 (5 bags 30.00 lb)	240.00 (8 bags 30.00 1b)	Beef for braised beef cubes
		Bag size = 15" X 29-1/2"		30.00 lb
GRAVY -				
Salt, table Pepper, black Onion, dehydrated,chopped Garlic powder Soup & gravy base, beef Thyme, ground Bay leaves, ground	0.36 0.03 1.50 (1 bag 0.03 3.72 lb) 1.74 0.03	0.60 0.05 2.50 (1 bag 0.05 6.20 lb) 2.90 0.05	0.96 0.08 4.00 (1 bag 0.08 9.92 lb) 4.64 0.08	Salt, pepper, onions, caparlic, soup and gravycapase, thyme, and bay leaves for braised beef cubes (gravy)
		Bag size = 10" X 18"		* 1b
Col-Flo 67 starch Flour, wheat	4.47 (1 bag 1.50 5.97 lb)	7.45 (1 bag 2.50 9.95 lb)	11.92 (1 bag 4.00 15.92 lb)	Starch and flour for braised beef cubes
		Bag size = 15" X 29-1/2"		4 10

e 4

EQUIPMENT UTILIZATION

BRAISED BEEF CUBES



OPERATIONAL GUIDE FOR CREAMED GROUND BEEF L-30

INGREDIENTS AND BATCH SIZE

* FSC Group 89 Subsistence Catalog 1 Jan 77 (C8900-SL) ** Special Purchase	5 Water, tap	4 Non-fat dry milk Water, tap	Water, tap	3 Col-Flo 67, starch Flour, wheat	2 Celery, ground Pepper, black, ground Soup & Gravy base, beef Onion, dehydrated, chopped	1 Beef, Bals, Ground	Steps Ingredients	Controlling Equip: Steam Kettle Container Wt: 6.25 lb
Catalog 1		3050		**SP 8300	**SP 15480 11440 5290	310	*Index	
Jan 77 (0890	To make 6.25 gal	6.35 23.28	20 <u>.</u> 00	1.70	1.00 1.65 2.01	24.00	100 Servings	Servings/Container:
X-SL)	To make 25.00 gal	25.40 93.12	8°. 80	6.80 7.52	+6.00 6.60 +0+	96 . 00	400 Servings 40 gal Kettle (1b)	mtainer: 10 of 10
	To make 37.50 gal	38,10 139.68	120.00	10.20 11.28	6900 8888	144.00	600 Servings 60 gal Kettle (1b)	8
	To make 50.00 gal	50.80 186.24	160-00	13.60 15.04	8.22 8.22 8.22	192.α	800 Servings 80 gal Kettle (1b)	Est. Prep Time: Approx. Yield:
	Measuring stick	Stock pot whip		Stock pot whip		Kettle with mixing Paddle	<u>Utensils</u>	Est. Prep Time: Approx 3.9 hours Approx. Yield: 400, 600, & 800 servings

OPERATIONAL GUIDE FOR CREAMED GROUND BEEF L-30

INSTRUCTIONS

		Check <u>Points</u>	Time (<u>Minutes)</u>
0-	Verify component and ingredients as to number and amounts received from Prep. Area.		
00-	Deliver beef and ingredients to steam kettle area.		10
1-	Place ground beef in steam kettle, turn steam on and activate mixer at low speed, brown beef. Drain, discard liquid.		10
2-	Add celery, pepper, soup and gravy base, and onions to browned beef. Mix thoroughly.		5
3 -	In a separate pot, mix starch, flour and 1/5 of water to make a slurry; mix well; crush all lumps.		5
	Turn off steam on kettle. While still agitating add flour-starch slurry to beef mixture in kettle with remaining water from step 3. After thorough blending, turn on steam, heat to thicken (about 20 minutes at 190°F).		20
<u>}</u> +-	In separate pot mix the dry milk powder with about 1/5 of water to rehydrate the milk; crush all lumps. Add rehydrated milk to beef mixture. To kettle with slow agitation also add remaining water (not used in rehydrating milk). Heat to 170 F. CAUTION: DO NOT SCORCH BY HEATING TO RAPIDLY.		
5 -	Raise level (volume) of beef mixture in kettle with tap water to the required number of gallons, using measuring stick. Mix thoroughly, shut off steam.		10
6-	Transfer cream ground beef to filler tank.		20
7-	Fill half-size steam table pans with 6.25 pounds of creamed ground beef.		10
8-	Pass pans thru lidding machine to cover and close.		10

Check Time <u>Points (Minutes)</u>

10- Pass pans thru labelling machine. Labels should read:

10

Creamed Ground Beef

Date Prepared____

Net Wt.: 6.25 lb

Servings 10 of 10 oz

Reconstitution Instructions:

Heat covered pans in oven at 350°F (176°C) until internal temperature of the product reaches a minimum of 160°F (71°C).

Convection ovens - approximately 1 hour 15 minutes

Conventional (ordinary) ovens - 1 hour 30 minutes

Alternatively the Creamed Ground Beef may be poured into steam kettle and warmed to 160°F.

GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - CREAMED GROUND BEEF

Prepare items for transportation in one of the following manners:

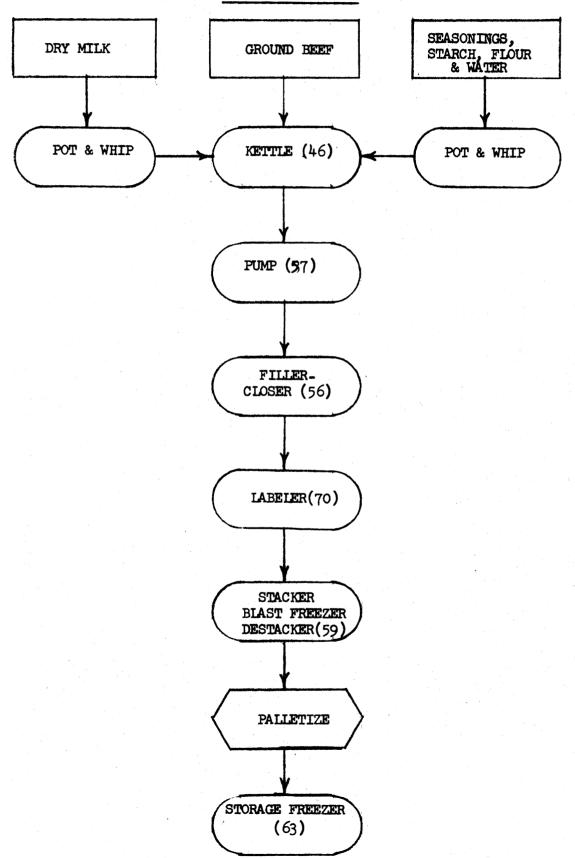
- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire tie; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. 2 0

Ingredients Beef, boneless, ground	400 Servings (1b)	600 Servings (1b)	800 Servings (1b) 192 (8 bags	Label Instructions for Polyethylene Bag p ox (if used)
	24.00 lb)	24.00 lb) Bag size = 15" X 29-1/2"		ground beef 24.00 lb
	0.04 (1 bag 0.12 7.80 lb)	0.06 (1 bag 0.18 16.20 1b) 9.90	0.08 (1 bag 0.24 21.60 lb) 13.20	Celery, pepper, gravy base & onions for Screamed around best
	1.04	6.06 Bag size = 15" X 29-1/2"	8.08 -1/2"	* 1b
	6.80 (1 bag 7.52 14.32 1b)	10.20 (1 bag 11.23 21.48 lb)	13.60 (1 bag 15.04 28.64 lb)	Starch and flour for creamed ground beaf
		Bag size = 15" X 29-1/2"	1/2"	* 1b
	25.40 (1 bag 25.40 lb)	38.10 (2 bags 19.05 lb)	50.80 (1 bag 25.40 lb)	Milk for creamed ground beef
		Bag size = $15" \times 29-1/2"$	1/2"	*

*Appropriate weight to be written on label is dependent on number of servings.

EQUIPMENT UTILIZATION

CREAM GROUND BEEF



OPERATIONAL GUIDE FOR CHICKEN

(a) Bread crumbs, dry Salt Pepper 15480	 Milk, nonfat, dry 3050 Water, tap Eggs, whole, slightly 2620 beaten 	2 Beef Patties (3 oz) 340 2 patties per serving	1 Flour, wheat 8300 Monosodium Glutamate 15260 Salt 15850 Pepper 15480	*Index No.	Controlling Equip: Breader-fryer Container Net Wt:	
0.25 0.75 0.02 0.02 0.02 0.02 0.02 0.02 0.02	0.址 1.23 3.75 11.25 2.00 6.00	38.00 114.00	3.00 9.00 0.06 0.18 4.00 12.00 0.02 0.66	100 300 Servings Servings (15) (15)	INGREDIENTS & BATCH SIZE Standard Servings: 2 patties	FRIED BEEF PATTIES 1-152
22.50 1.25 0.09	2.05 18.75 10.00	190.00	15.00 0.30 0.00	500 Servings (Lb)		52
36.00 2.00 0.14	3.28 30.00 16.00	304.00 Breader-fryer Baking sheets	24.00 0.48 32.00 Pot & Whip 0.14	800 Servings (Ib) Utensils	Est. Prep Time: 2.4 hours Approx. Yield: 300, 500, & 800 servings	

*FSC Group 89 Subsistence Catalog (C8900-SI) 1 Jan 77

OPERATIONAL GUIDE FOR CHICKEN FRIED BEEF PATTIES L-152 INSTRUCTIONS

		Check <u>Points</u>	Time (Minutes)
<u>NOT</u>	E: This product requires that the patties be dredged in flour, dipped in egg wash and dredged (breaded) with bread crumbs.		
0-	Verify components, ingredients including (1) flour mixture, (2) Beef Patties, (3a) Egg wash and (3b) breading mixture		10
1-	Load dry section of breading machine with (1) flour mixture.		10
2 -	Pass beef patties thru breading machine to dredge. Place dredged patties on baking sheets.		30
3-	When all patties have been dredged, remove flour mixture from breading machine and replace with bread crumb mixture (3b) in dry section. Place egg wash (3a) in wet section of breading machine. Place breading machine in line with preheated (375 F) deep fat fryer. Pass flour dredged patties thru breader-fryer and cook patties to 165 F (about 2-3 minutes).		50
1-	Overlap or shingle 16 patties in half-size steam table aluminum pans.		20
5 -	Pass filled pans thru lidding machine to cover and close.		10
6-	Pass covered pans thru labelling machine. Labels should read:		10
	Chicken Fried Beef Patties Date Prepared: Net Wt: Servings: 8 of 2 pat	ties	

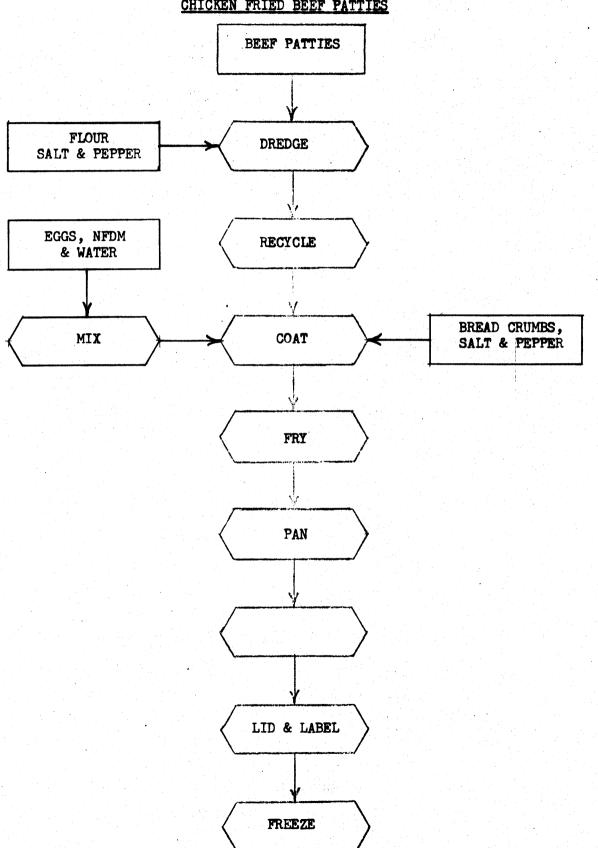
Reconstitution Instructions:

Place covered pans in $325^{\circ}\mathrm{F}$ preheated oven and heat to internal temperature of $165^{\circ}\mathrm{F}$.

Convection Oven - 1 hour, 15 minutes Conventional (ordinary) ovens - 1 hour, 30 minutes

43
MATERIAL FLOW

CHICKEN FRIED BEEF PATTIES



Prepare items for transportation in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid.

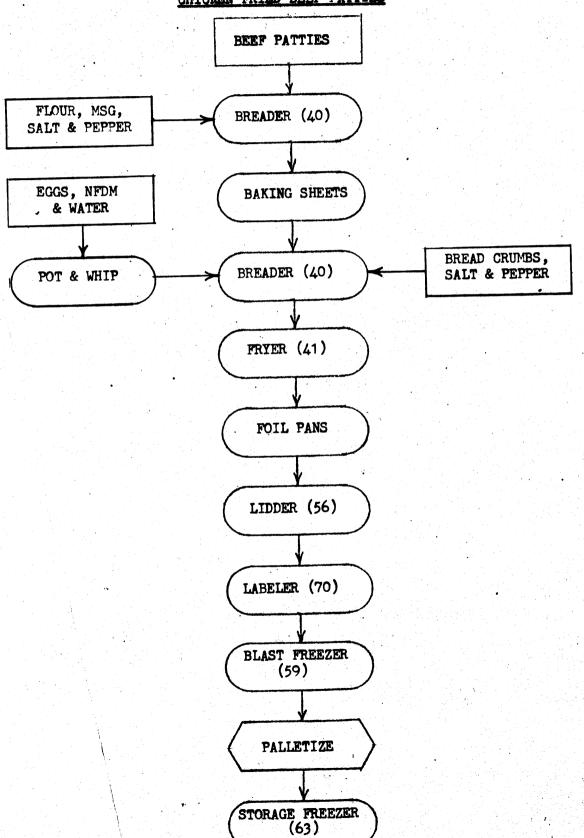
o

Label Instructions for Polyethylene Bag or Box (if used)	Flour for chicken fried beef patties	Monosodium glutamate, salt and pepper for chicken fried beef	+ lb +	Beef patties for chicke fried beef patties)	Milk and eggs for chicken fried beef	patries lb	36.00 (2 bags Bread crumbs, salt and 2.00 19.072 lb) pepper for chicken 0.144 tried beef patties
800 Servings (1b)	24.00 (1 bag 24.00 lb)	0.48 (2 bags 32.00 16.32 lb) 0.144		304.00 (16 bags 19.00 lb)	3.28 (2 bags 16.00 9.64 lb)		36.00 (2 bags 2.00 19.072 lb 0.144
Servings (1b)] 15.00 (1 bag 1b) 15.00 lb) Bag size = 15" X 29-1/2"	0.30 (1 bag 20.00 70.39 lb) 0.09	Bag size = 15" X 29-1/2"	ls 190.00 (10 bags 10 lb) 19.00 lb) Bag size = 15" X 29-1/2"	2.05 (2 bags) 10.00 6.03 lb)	Bag size = 15" X 29-1/2"	22.50 (1 bag 4 1b) 1.25 23.84 1b) 0.09 8ag size = 15" X 29-1/2"
300 Servings (1b)	9.00 (1 bag 9.00 1b) 8ag :	0.18 (1 bag 12.00 12.234 lb) 0.054	Bag	114.00 (6 bag 19.00	1.23 (1 bag / beaten 6.00 7.23 lb)	Вад	13.50 (1 bag 0.75 14.304 lb) 0.054 Bag siz
Ingredients	Flour, wheat	Monosodium Glutamate Salt Pepper		Beef patties (3 oz) 2 patties per serving	Milk, nonfat, dry Eggs, whole, slightly beaten		Bread crumbs, dry Salt Pepper

*Appropriate weight to be written is dependent on number of servings.

EQUIPMENT UTILIZATION

CHICKEN FRIED BEEF PATTIES



OPERATIONAL GUIDE FOR SIMMERED CORNED BEEF L-111

	N		Ľ	Steps	Controll: Containe	
Garlic, dehydrated, ground Salt, table Sugar, gran., white	Bay leaves, chopped or whole	Water, cold	Corned Beef, whole	Ingredients	Controlling Equip: Kettles Container Net Wt:	
15850 9930	14320		250	*Index		
0.04	0.01	To cover	145.00	100 Servings (1b)	Standard Ser	INGREDIENTS
0.12 1.89 3.00	0.03	To cover	135.00	300 Servings 80 gal Kettle (Lb)	Standard Servings: 4 oz	INGREDIENTS & BATCH SIZE
0.72 6.00	0.06	To cover	270.00	600 Servings 2-80 gal Kettles (1b)	Est. Prej Approx.	
Baking sheets Meat slicer		Skimmer or Strainer	Kettles	<u>Utensils</u>	Est. Prep Time: 9.0 hours Approx. Yield: 300 & 600 servings	

FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 1977

OPERATIONAL GUIDE FOR SIMMERED CORNED BEEF L-+++ INSTRUCTIONS

			heck <u>Points</u>	Time (Minutes)
0-	Verify components, ingredients and s number and amounts received from Pre	pices as to p. Area.		10
∞-	Deliver corned beef and other items	to Kettle Area.		
1-	Place whole pieces of corned beef in with enough water to cover. Add all			10
2-	Heat to boil, reduce heat to simmer approximately five hours to an inter of 180°F. During the cooking period that rises to the surface.	nal temperature		300
3-	At the end of cook shut off steam. water on kettle, cooling corned beef in its own liquid. Remove pieces of from kettle and place on baking shee down. Reserve some liquid for step Corned beef may be refrigerated over to slicing.	for one hour corned beef ts to cool + below.		60
1+-	Trim excess fat off cooled corned be $3/16$ inch thick across the grain to shredding. Place $2-\frac{1}{2}$ pounds of the in half-size steam table aluminum pa $\frac{1}{2}$ pound of cooking liquid over meat.	prevent sliced product ns and add		40
5 -	Pass panned sliced corned beef thru to cover and close.	lidding machine		10
6-	Pass covered pans thru labelling mac Labels should read:	hine.		10
	Sliced Corned Beef Container Net Wt:	Date Prepared: Servings: 10 of 4oz eac	: h	

Reconstitution Instructions:

Heat covered pans in preheated 325°F ovens to internal temperature of 165°F.

Check Points Time (Minutes)

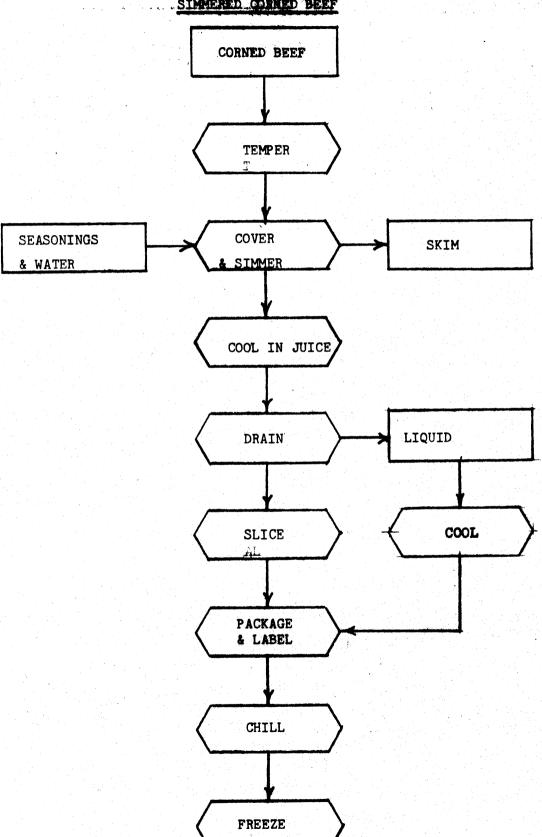
Convection ovens - 1 hour 15 minutes

Conventional (ordinary) ovens - 1 hour 30 minutes

Alternatively, covered pans may be heated in 15 psi steam cooker to 165 F.

MATERIAL FLOW

SIMMERED CORNED BEEF

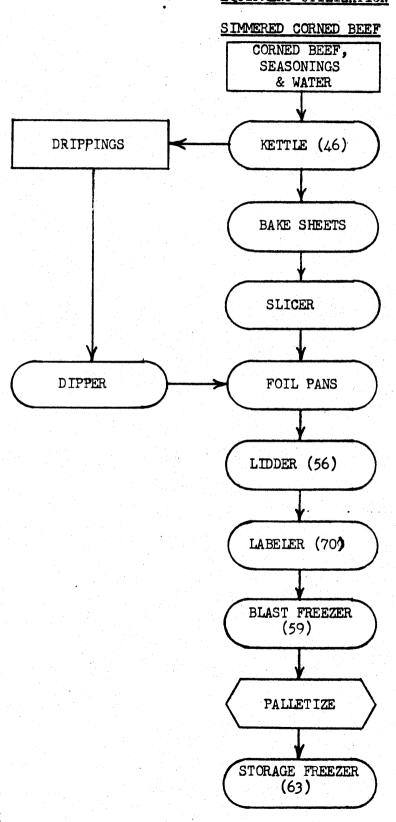


Prepare items for transportation in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. 9

Label Instructions for Polyethylene Bag or Box (if used)	Corned beef for simmered corn beef	<u>22.50</u> 1b	Bay leaves, garlic, salt and sugar for simmered corn beef	5.04 lb
Label Instr Polyethyler (if	Corned beet corn beef	22.	Bay leaves and sugar t	5.0
600 Servings (1b)	270.00 (12 bags 22.50 lb)	1/2"	0.06 0.24 (2 bags 3.78 5.04 lb) 6.00	
300 Servings (1b)	135.00 (6 bags 22.50 lb)	Bag size = 15" X 29-1/2"	0.03 0.12 (1 baq 1.89 5.04 lb) 3.00	Bag size = 10" X 18"
Ingredients	Corned beef, whole		Bay leaves, chopped or whole Garlic, dehydrated, ground Salt, table Sugar, granulated, white	

EQUIPMENT UTILIZATION



OPERATIONAL GUIDE FOR YANKEE POI ROAST L-10-2 INGREDIEWIS & BATCH SIZE

70 make Tu 3.25 gal 9. * FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 77 ** Special Purchase			in heavy pured Onions, dry, diced ½ x ½ in. Vinegar, cider Salt table	3 GRAVY Drippings & Water Tomatoes, whole, canned	2 Carrots, sliced, ½in.	<pre>1 Beef, Boneless Roast Water, tap (</pre>	Steps Ingredients	Cortrolling Equip: Ovens Cortainer Net Wt:
Catalog (C8	SP** 8300	14540 14540 14560	SP** 5320		4210	170	*Index No.	
To make 3.25 gal 900-SL) 1 Ja	3.00.69 3.05	0.00.00.00.00.00.00.00.00.00.00.00.00.0	2.70	20.50	5.14	₩.	100 Servings (1b)	Standard Servings:
To make 9.75 gal n 77	2.07 1.47 9.00	0.000000 0.0000 0.000 00	28.05 8.10 1.17	40-gal <u>Kettle</u> 61.50	15.42	120.00	300 Servings (1b)	zo + zo +
To make 16.25 gal	15.00 2.45 3.45	000000000000000000000000000000000000000	13.50 6.95	40-gal <u>Kettle</u> 102.50	25.70	200,00	500 Servings (1b)	meat & gravy
To make 26. gal	5.52 3.92 24.00	000001.03.888888888888888888888888888888	74.80 21.60 11.12	60~gal <u>Kettle</u> 16+•00	41.12	320.00	800 Servings	Est. Prep Time Approx. Yield:
Measuring Stick		Pot Whip		Kettle (agitating)		QVENS Roast pans Baking Sheets Slicer	<u>Utensils</u>	Est. Prep Time: 5.9 hours Approx. Yield: 300, 500, & 800 servings

OPERATIONAL GUIDE FOR YANKEE POT ROAST L-10-2

INSTRUCTIONS

		Check <u>Points</u>	Time <u>(Minutes)</u>
0-	Verify components, ingredients and spices as to number and amounts received from Prep. Area.		10
00-	Deliver beef roasts to oven area and all other items to kettle area.		
1-	Place roasts on racks in large roasting pans with about ½ inch of water covering bottom of pans. Bake in preheated 350°F. Add additional water during		
	cooking to maintain the $\frac{1}{2}$ -inch level in pan bottoms. Remove roasts from oven and transfer to baking sheets to cool. Reserve drippings for step 3 below. Slice pot roasts when cool on meat slicer about 3/16 inch thick. Place $2-\frac{1}{2}$ pounds of sliced roast in half-size steam aluminum pans. Hold for step 7 below.		150
2-	Steam sliced carrots until slightly tender in preheated pass thru steamer (about 5 minutes); drain and hold for step 5 below.		10
3-	Place drippings and water in steam kettle and add tomatoes, onions, vinegar, salt, sugar, parsley, pepper, garlic, thyme, bay leaves (crushed fine), cloves; mix well and heat to 160 F.		20
14	In a pot make slurry of water, flour, and starch; mix well; crush all lumps; add to tomato mixture in kettle. Heat to 180°F for five minutes with agitation.		15
5 -	Add carrots to gravy mixture in kettle, mix well. Shut off steam. Raise (volume) level of product in kettle with water to required number of gallons using measuring stick.		10
6-	Transfer gravy to filler.		10
7-	Top (fill) panned beef roast slices with $2-\frac{1}{2}$ pounds of gra	avy.	10
8=	Pass panned Pot Roast thru lidding machine to cover and close.		10
9-	Pass covered pans thru labelling machine.		

Check <u>Points</u> Time (Minutes)

Labels should read:

Yankee Pot Roast Container Net Wt: Date Prepared:
Servings: 10 of 4 oz of
roast and 4 oz of
gravy

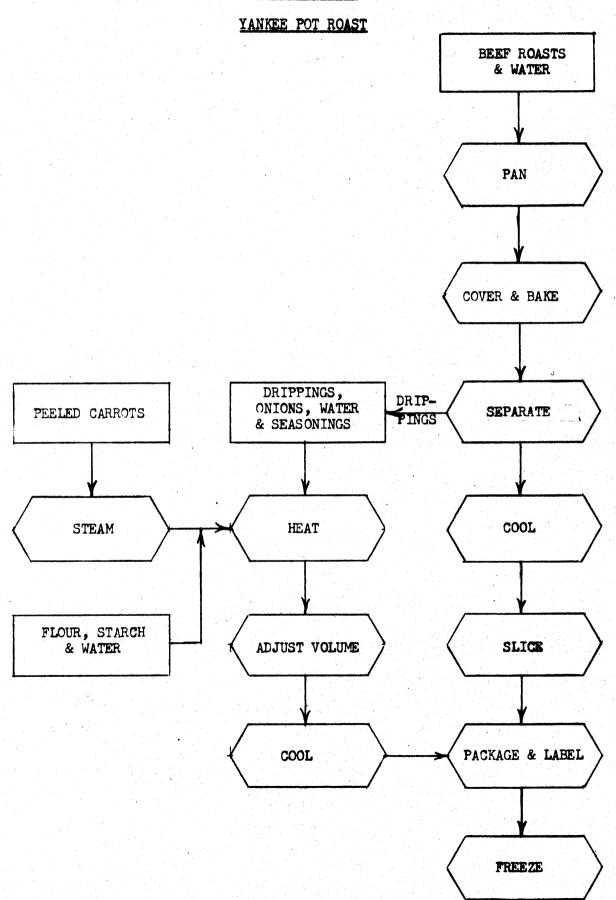
Reconstitution Instruction:

Heat covered pans in preheated 325°F ovens to internal temperature of 165°F.

Convection oven - 1 hour 15 minutes

Conventional (ordinary) oven - 1 hour 30 minutes

55 MATERIAL FLOW



GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - YANKEE POT ROAST

Prepare items for transportation in one of the following manners:

- Secure all bags with plastic or Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic o wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. ? P

Label Instructions for Polyethylene Bag or Box (if used)	Beef for yankee pot roast 20.00 lb	Carrots for yankee pot roast * 1b	Tomatoe for yankee pot roast (Gravy)	Onions for yankee pot roast (Gravy)	Vinegar, salt, parsley, sugar, pepper, garlic, thyme, bay leaves and clove for yankee pot roast (Gravy)	
800 Servings (1b)	320.00 (16 bags 20.00 lb)	41.12 (4 bags 13.71 lb)	74.80 (5 bags 14.96 lb)	21.60 (2 bags 10.80 lb)	11.12 3.92 0.56 1.44 (2 bags 0.16 8.70 lb) 0.08 0.08 0.008	
300 500 Servings Servings (1b)	120.00 (6 bags 200.00 (10 bags 20.00 1b) 20.00 1b) Bag size = 15" X 29-1/2"	15.42 (1 bag 25.70 (2 bags 15.42 lb) 12.85 lb) Bag size = 15" X 29-1/2"	28.05 (2 bags 46.75 (3 bags 14.03 lb) 15.58 lb) Bag size = 15" X 29-1/2"	8.10 (1 bag 8.10 lb) 13.50 lb) Bag size = 15" X 29-1/2"	4.17 1.47 0.21 0.54 (1 bag 0.90 (2 bags 0.06 6.525 1b) 0.10 5.44 1b) 0.05 0.03 0.05 0.05 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	
Ingredients	Beef, boneless roast	Carrots, sliced, 1/2" GRAVY	Tomato, whole, canned in heavy puree	Onions, dry, diced, 1/2 X 1/2 inch	Vinegar, cider Salt, table Parsley, dehydrated Sugar, granulated Pepper, black, ground Garlic, fresh, chopped Thyme, ground Bay leaves, ground	

2 Sep 77

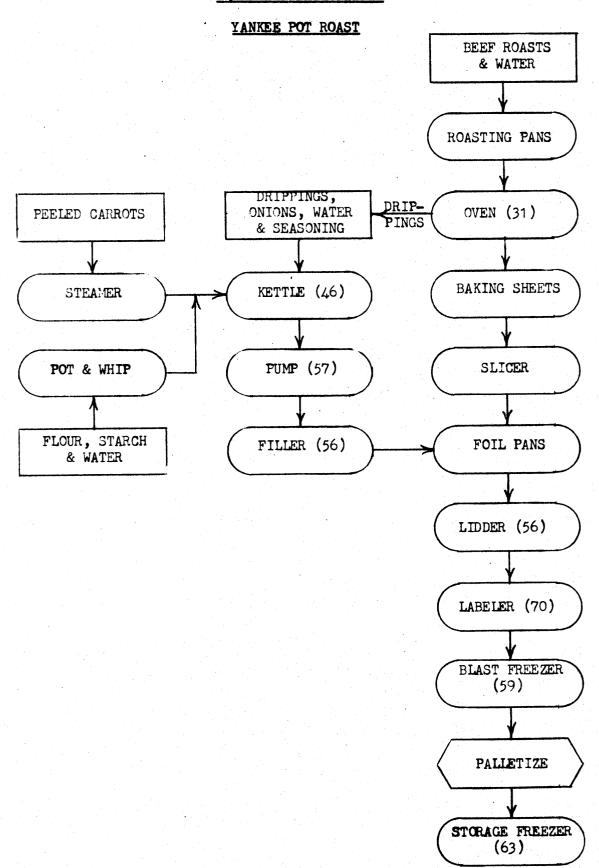
*Appropriate weight to be written is dependent on number of servings.

GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - YANKEE POT ROAST (Cont'd)

Ingredients	300 Servings (1b)	Servings (1b)	800 Servings (1b)	Label Instructions for Polyethylene Bag or Box (if used)
GRAVY (Cont'd)				
Col-Flo 67, starch Flour, wheat	2.07 (1 bag 1.47 3.54 1b) Bag	3.45 (1 bag) 2.45 6.90 lb) Bag stze = 10" X 18"	5.52 (1 bag 3.92 9.44 lb)	Starch and flour for yankee pot roast (Gravy)

*Appropriate weight to be written is dependent on number of servings.

EQUIPMENT UTILIZATION



OPERATIONAL GUIDE FOR PRECOOKED ROAST BEEF 1-5

(FOR SLICED BEEF AND GRAVY) INGREDIENTS & BATCH SIZE

3 Water, tap	Caramel Coloring SP** Powder SP** Col-flo 67, starch SP** Pepper, black 15480	Mater, tap Sor & Gravy Base, 11440		1 Beef, Enls, oven Roast 360 Salt, table 15850 Pepper, black 15480	*Index Steps Ingredients %	Controlling Equip: Tank, (Boiled-in-Bag) Container Net Wt: 5 1b
To make 3.5 gal	0.01 0.62 0.02	0.55 0.59 0.59		0.38 0.00	100 Servings (Ib)	Servings/Container - 10 of 4 oz Beef; 4 oz gravy
To make 10.5 gal	0.03 0.06	1.50 1.50	40-gal Kettle	120.00	300 Servings (Lb)	ainer - 10 of Beef; gravy
To make 17.5 gal	0.05 3.10 0.10	111.55 2.50	40-gal Kett	200.00 1.90 0.10	500 Servings (1b)	4 oz 4 oz
To make 28.0 gal	0.08 0.16	7.14 178.148 1-00	40-gal Kettle 40-gal Kettle	320.00 3.04 0.16	800 Servings (1b)	Est. Prep Tim Approx. Yield:
Measuring stick		Mujp	0	Cooking Bags Vacuum closure Meat slicer	<u>Utensils</u>	Est. Prep Time: 7.5 hours Approx. Yield: 300, 500, & 800 servings

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^{**} Special Purchase

OPERATIONAL GUIDE FOR PRECOOKED ROAST BEEF L-5 (FOR SLICED BEEF AND GRAVY)

INSTRUCTIONS

		Check <u>Points</u>	Time (Minutes)
0-	Verify components, ingredients and spices as to number and amounts received from Prep. Area.		
00-	Deliver oven roasts to "Boil-in-Bag Tank" area and remaining ingredients to kettle area.		10
1-	Rub roast with salt and pepper, place in cooking bags, taking care not to soil sealing area when inserting roasts. Vacuum seal bags. Place bagged vacuum-closed roasts in "Boil-in-Bag Tank" filled with preheated 190 F water and heat until internal temperature reaches		200
	145°F (about 3 hours depending on weight of roasts). If roasts are not hung (suspended in water or separated in baskets), some agitation of the cooking water by air or steam should be utilized. Take care not to puncture bags while handling.		
	(a) Immediately cool roast with ice cold water when internal temperature reaches 145°F. Roast should be water-cooled for at least one hour to prevent further cooking. Bagged roast may be cooled (held) in 40°F box for a period not to exceed 16 hours prior to slicing.		90
	(b) Remove cooled roasts from cooking bags, save drippings for gravy. Slice roasts 3/16" thick with mechanical slicer. Place 2-½ 1b of sliced beef in half-size steam table aluminum pans. Hold for Step 5.		30
2-	Place drippings (or shortening) in 40-gal kettle; heat while sprinkling in flour with constant stirring to make smooth roux, cooking for ten minutes. In separate pot blend starch with cold water add remaing seasonings and coloring. Blend thoroughly. Heat mixture to 180°F with agitation to thicken and produce a smooth gravy.		20

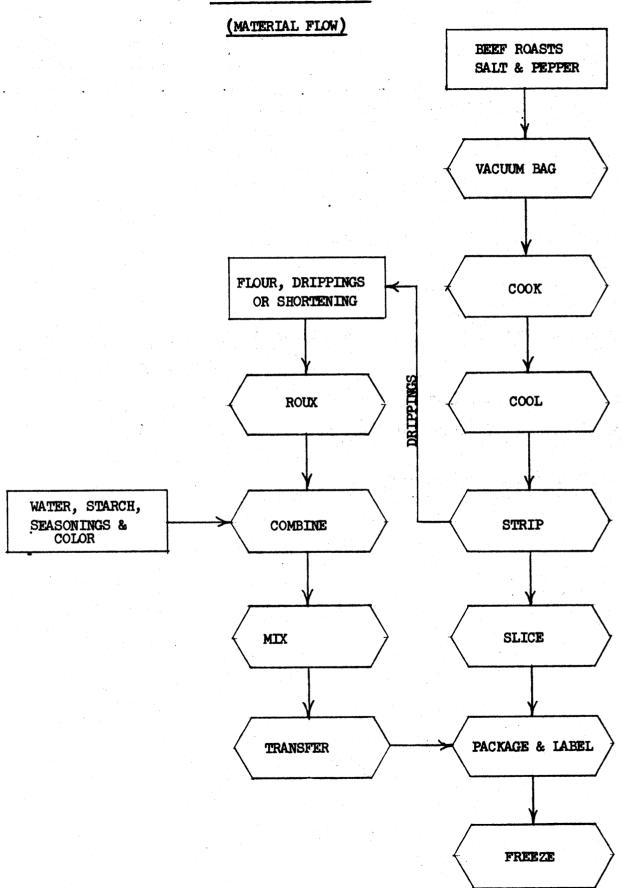
		Check <u>Points</u>	Time (Minutes)
3-	Raise level (volume) of product in kettle with water to required number of gallons. Mix well to blend. Shut off Steam.		10
4-	Transfer cooled gravy to filling machine.		10
5 -	Top (fill) panned beef slices with $2-\frac{1}{2}$ pounds of gravy.		10
6-	Pass panned beef slices and gravy thru lidding machine to cover and close.		10
7-	Pass covered pans thru labelling machine. Labels should read:		
	Beef Slices and Gravy Net Wt: Date Prepared: Servings: 10 of 4 oz 4 oz	beef gravy	

Reconstitution Instructions:

Heat covered pans in preheated $325^{\circ}\mathrm{F}$ ovens to internal temperature of $165^{\circ}\mathrm{F}$.

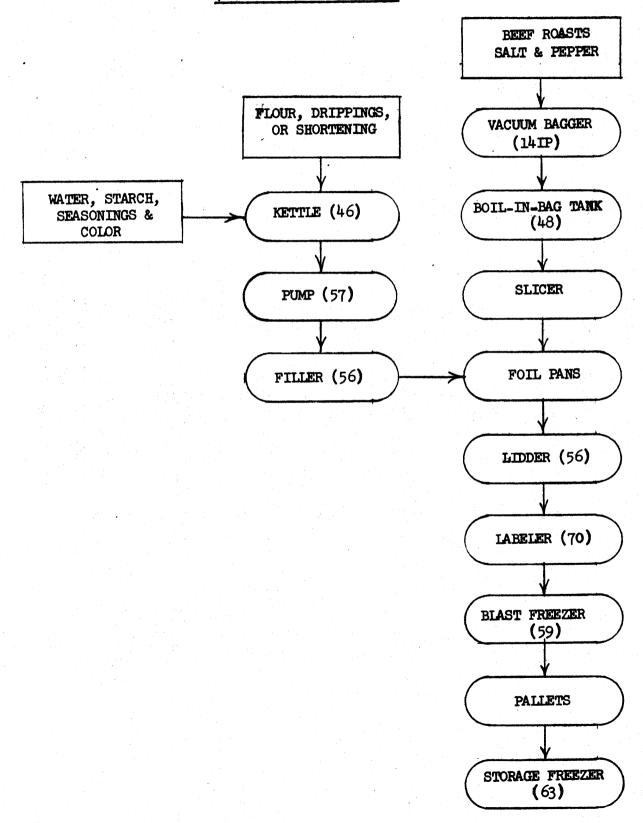
Convection oven-1 hour 15 minutes Conventional (ordinary) oven - 1 hour 30 minutes

PRECOOKED ROAST BEEF



PRECOOKED ROAST BEEF

(EQUIPMENT UTILIZATION)



OPERATIONAL GUIDE FOR CHILI CON CARNE WITH BEANS L-28(2)

INGREDIENTS & BATCH SIZE

Sters Controlling Equip: Container Net Wt: 2 Уī Water Onion powder Monosodium glutamate Cumin, ground Chili powder, ground Salt, table Beef Soup & Gravy Beef, bals, ground Beans, Red Kidney, canned, drained Tomatoes, canned, crushed Tomato Paste, canned Water, tap Col-F1o 67, starch Pepper, cayenne Paprika, ground Garlic powder Ingredients Kettles *Index 15265 \$1251 75850 15850 14480 1148 No. 6420 940 SP** 3790 ¥ 310 Servings To make 6.75 gal Standard Servings: 10 of 9 oz 0.30 19.00 20.8 0.60 0.01 0.01 (dT) 300 Servings **40-gal** To make 20.25 gal 020047 020047 57.00 Kettle 15.60 \$5.5 7.5 1.80 5.¥ (<u>1</u>b) .පු.පු. Servings 60-gal To make 33.75 gal 100,00 08669469686 08669469686 95.00 Kettle 26.00 (dT) 9.8 3.8 8 Est. Prep Time: Approx. Yield: Servings 80-gal To make 47.25 gal 136.55 36.361 133.00 140.00 Kettle. 36.¥5 12.60 00000013 4.20 (E 300, 500, & 700 servings Pot Kettles Measuring Strainer Utensils

** Special Purchase

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OPERATIONAL GUIDE FOR CHILI CON CARNE WITH BEANS L-28(2)

INSTRUCTIONS

	TINDITUOCITOND	Check <u>Points</u>	Time (Minutes)
0-	Verify components and ingredients as to number and amounts received from Prep. Area.		10
∞-	Deliver ground beef and ingredients to Kettle Area.		
1	Place ground beef in kettle; activate agitator; turn on steam; brown in its own fat until all pink color has disappeared. Drain or skim excess fat and discard.		10
2-	Make a slurry of starch, water, and spices; crush all lumps; add to browned (seared) beef in kettle; mix well. Heat to 200 F and simmer for 10 minutes with constant agitation. (Do not boil).		15
3-	Mix tomato paste and crushed tomatoes and add to beef mixture in kettle; mix thoroughly; heat to 180°F and maintain temperature for 5 minutes.		15
4-	Add drained kidney beans to kettle; mix well.		10
5 -	Raise level (volume) of product to required number of gallons with hot water using measuring stick. Mix thoroughly. Shut off steam.		10
6-	Transfer product to filler. Fil 5 ob 14 oz in half- size steam table pan.		30
7-	Pass pans thru lidding machine to cover and close.		10
8-	Pass pans thru labelling machine. Labels should read:		
	Chili Con Carne With Beans Net Wt: 5 lb 14 oz Date Prepared: Servings: 10 of 9 oz		
	Reconstitution Instructions: Heat pans covered in 325°F preheated ovens to internal temperature of 160°F.		

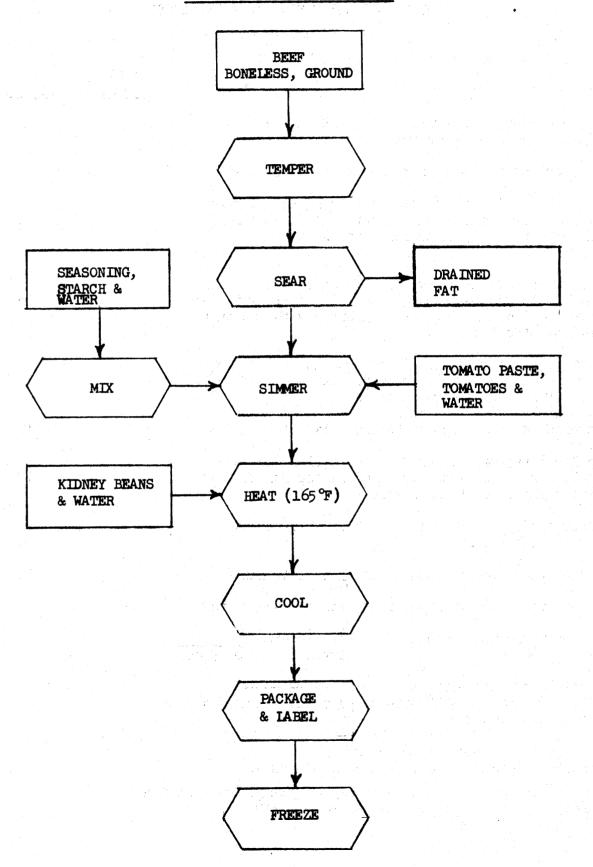
Convection oven - 1 hour 15 minutes
Conventional (ordinary) oven - 1 hour 30 minutes

Alternatively the Chili Con Carme may be poured (re

Alternatively the Chili Con Carne may be poured (removed from foil pans) in kettle or pot and heated in $160^{\circ}\mathrm{F}$

MATERIAL FLOW

CHILI CON CARNE WITH BEANS



Prepare items for transportation in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid.

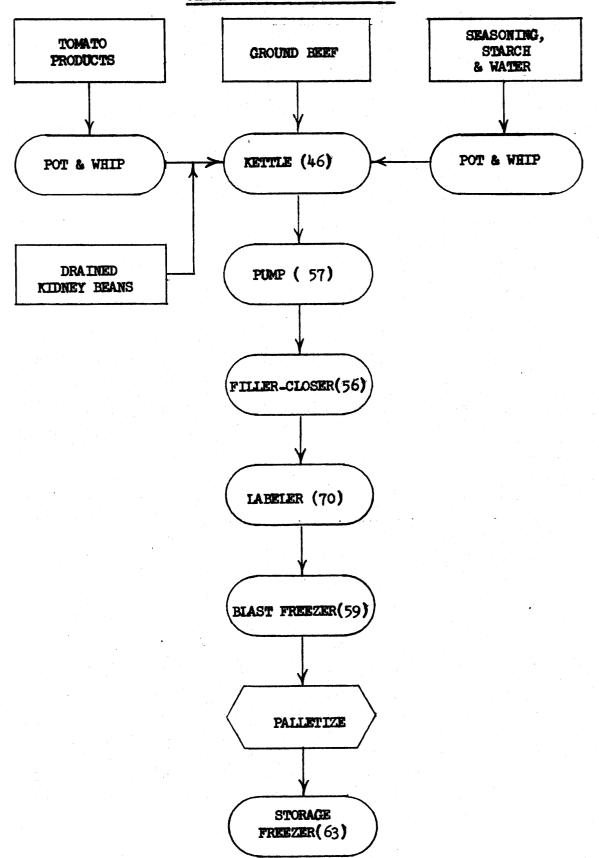
p

Ingredients	300 Servings (1b)	500 Servings Ser (1b)	700 Servings (1b)	Label Instructions for Polyethylene Bag or Box (if used)
Beef, boneless, ground	57.00 (3 bags 19.00 lb)	95.00 (5 bags 19.00 lb) Bag size = 15" X 29-1/2"	133.00 (7 bags 19.00 lb)	Beef for chili con carne with beans 19.00 lb
Beef soup & gravy base Chili powder, ground Salt, table Garlic powder	1.80 1.56 0.48 0.03 (1 bag		4.20 3.64 1.12 0.07 (2 bags	Soup & gravy base, chili, salt, pepper, garlic, paprika, onion powder, monosodium glutamate, o
Pepper, cayenne Paprika, ground Onion powder Monosodium olutamate	0.03 0.24 4.95 lb) 0.15	8.25 1b)	0.07 0.56 5.75 lb) 0.35	cumin and starch for chili con carme with beans
Cumin, ground Col-Flo 67, starch	0.03	ize = 10" X 18"	0.07 1.40	9
Tomato paste, canned	5.40 (1 bag 5.40 lb)	9.00 (1 bag 9.00 lb) Bag size = 10" X 18"	12.60 (2 bags 6.30 lbs)	Tomato paste for chili con carne with beans
Tomatoes, canned, crushed 15.60 (1 bag 15.60 lb)	15.60 (1 bag 15.60 lb)	26.00 (2 bags 13.00 lb) Bag size = 15" X 29-1/2"	36.40 (2 bags 18.20 lb)	Tomatoes for chili con carne with beans
Beans, red kidney, canned, drained	60.00 (3 bags 20.00 lb)	100.00 (5 bags 14C 20.00 lb) Bag size = 15" X 29-1/2"	140.00 (7 bags 20.00 lb)	Beans for chili con carne with beans 20.00 lb

*Appropriate weight to be written is dependent on number of servings.

EQUIPMENT UTILIZATION

CHILI CON CARNE WITH BEAMS



OPERATIONAL GUIDE FOR CHILL CON CARNE

WITHOUT BEANS L-28
INGREDIENTS AND BATCH SIZE

4 Wa	To	3 To	Web	පු වූ	Pa On	1 22 22 1	2 Be	1 Be	Steps	Controlling Container W
Water	Tomatoes, canned crushed.	Tomato paste, canned (26% solids)	Water	Monosodium Glutamate Cumin, ground Col-F10 67, starch	Paprika, ground Inion powder	Chili powder Salt, table Garlic powder	Beef soup and gravy	Beef, ground	<u>Ingredients</u>	Controlling Equip: Kettles Container Wt: 5 lb 14 oz
	6420	6460		15265 14660 SP**	15440 15440	14480 15850 4700	111440	310	*Index	
To make 6.75 gal	7.00	2.15	25.00	0.01	0.0¢	35%% 5000	o <u>.</u> 80	29.50	100 Servings (<u>(1b)</u>	Servings/Co
To make 27 gal	28.00	8.60	100.00	100	0.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	2002	3.20	118.00	HOO Servings HO-gal Kettle (1b)	Servings/Container: 10 of 9 oz
To make 40.5 gal	42.00	12.90	150.00	1.000	0.00	0.01. 0.06 0.06 0.06	+. 80	177.00	600 Servings 60-gal Kettle (Ib)	
To make. 60.75 gal	63.00	19.35	225.00	2.34	0.0°	3885 0010	7.20	265.50	900 Servings 80-gal Kettle (1b)	Est. Prep Time: Approx. Yield:
Measuring Stick		Mixing Pot (15 gal) Whip				Pot Whip	Collander	Kettle	<u>Utensils</u>	Approx. 4.2 hours 400, 600, & 900 servings

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^{*} Special Purchase

OPERATIONAL GUIDE FOR CHILI CON CARNE WITHOUT BEANS L-28 INSTRUCTIONS

		Check <u>Points</u>	Time (Minutes)
1-	Verify components and ingredients as to number and amounts received from Prep. Area.		10
2-	Deliver ground beef and ingredients to Kettle Area.		
3-	Place ground beef in kettle; activate agitator; turn on steam; brown in its own fat until all pink color has disappeared. Drain or skim excess fat and discard.		10
4-	Make a slurry of starch, water and spices; crush all lumps; add to browned (seared) beef in kettle; mix well. Heat to 200 F and simmer for 10 minutes with constant agitation. (Do not boil.)		15
5-	Mix tomato paste and crushed tomatoes and add to beef mixture in kettle; mix thoroughly; heat to 180°F, and maintain temperature for 5 minutes.		15
6-	Raise level (volume) or product to required number of gallons with hot water using measuring stick. Mix thoroughly. Shut off steam.		10
7 -	Transfer product to filler. Fill 5 lb 14 oz in half-size steam table pan.		30
8-	Pass pans thru lidding machine to cover and close.		10
9-	Pass pans thru labelling machine. Labels should read:		
	Chili Con Carme Without Beans Net Wt: 5 lb 14 oz Date Prepared: Servings: 10 of 9 oz		
	Reconstitution Instructions:		
	and the control of th		1

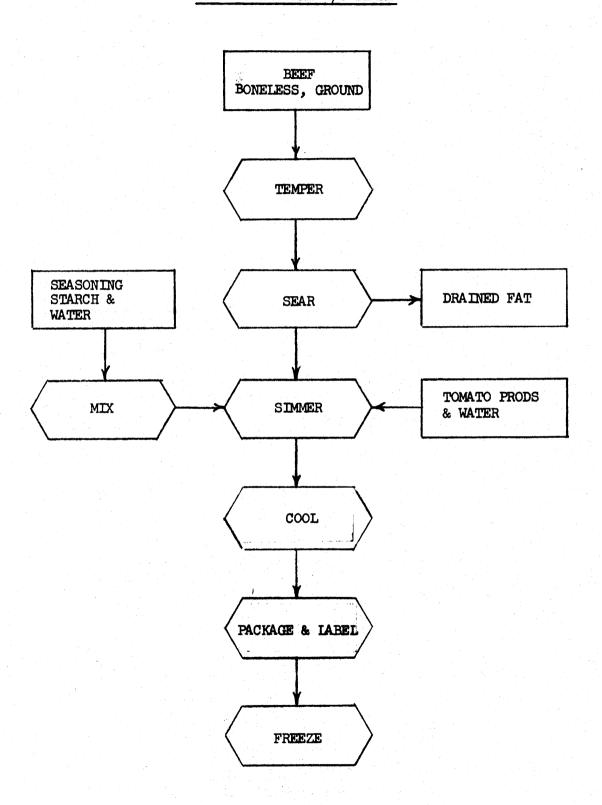
Heat pans covered in $325^{\circ}\mathrm{F}$ preheated ovens to internal temperature of $160^{\circ}\mathrm{F}$.

Convection oven - 1 hour 15 minutes Conventional (ordinary) oven - 1 hour 30 minutes

Alternatively the Chili Con Carne may be poured (removed from foil pans) in kettle or pot and heated to 160 F.

MATERIAL FLOW

CHILI CON CARNE W/O BEANS



GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - CHILI CON CARNE

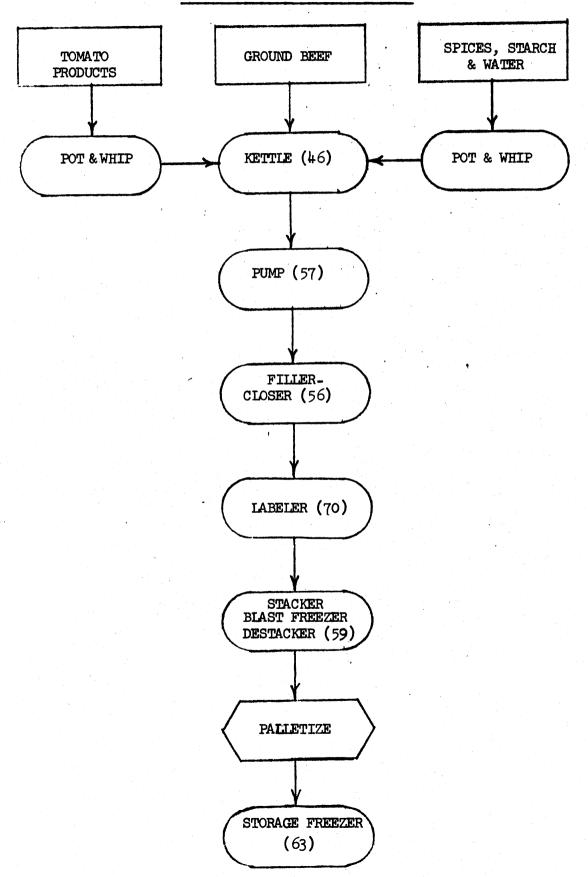
Prepay _ items for transportation in one of the following _nners:

- Secure all bags with plastic or wire tie; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on Place items in specified amounts in appropriate size polyethylene bag.
 - the side of the box) prior to shipment.
 Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. 2 9

Label Instructions for Polyethylene Bag or Box (if used)	Beef for chili	Beef soup, spices and starch for chili con carne Tomatoe paste for chili con carne this c	
900 Servings (1bs)	265.50 (9 bags 29.6 1bs)	7.20 6.20 1.00 .09 (1 bag .09 19.25 1bs) .81 .54 .09 .09 .09 .2.34 .1/2" .1/2"	63.00 (3 bags 21.00 lbs)
600 Servings (1bs)	177.00 (6 bags 29.6 lbs) Bag size # 15" X 29-1/2"	4.80 4.14 1.20 .06 (1 bag .06 12.84 lbs) .54 .36 .06 .06 1.56 Bag size = 15" X 29-1/2" 12.90 (1 bag 12.90 (1 bag 12.90 (1 bag 12.90 (1 bag	42.00 (3 bags 14.00 lbs) Bag size = 15" X 29-1/2"
400 Servings (1bs)	118.00 (4 bags 29.50 lbs)	3.20 2.76 .80 .04 (1 bag .04 8.56 lbs) .36 .24 .04 .04 1.04 1.04 8.60 (1 bag 8.60 lbs)	28.00 (2 bags 14.00 lbs)
Ingredients	Beef, ground	Beef soup and gravy base Chili powder Salt, table Garlic powder Pepper, red cayenne Paprike, ground Onion powder Non sodium glutamate Cumin, ground Col-Flo 67 starch	Tomatoes, canned, crushed

*Appropriate weight to be written is dependent on number of servings.

CHILI CON CARNE WITHOUT BEANS



OPERATIONAL GUIDE FOR CHILI MACARONI L-28-1 INGREDIENTS AND BATCH SIZE

Controlling Equip: Kettles Container Wt: 5 lb Servings/Container: 7 of 1-4 cups Est Prep Time: Approx. 3.7 hours Approx. Yields: 300, 600, & 800 servings

լ				ω	2	10	1	Stets		
Water	crusned Tomato paste (26% solids)	Chili powder Bay leaves ground Tomatoes, canned,	Paprika, ground Pepper, cayenne, red Salt, table	Garlic, Dehyd, powder Onions, Dehyd, chopped MSG	Beef, Bnls, ground	Salt, table Water, tap	Macaroni, dry	Ingredients		•
	6460	14480 14320 6420	15440 15510 15850	4700 5290 15260	310	15850	8410	*Index No.		
To make 8 gal	3.34	0.37 0.01 12.21	0.13 0.63	0.01	24.00	#8.00 0.02	6.00	(<u>Tb</u>)	100 Servings	
To make 24 gal	10.02	0.03 36.63	1.00.39 1.893	0.00 0.73 0.73	72.00	0.60	18.00	Kettle (1b)	300 Servings	
To make. 48 gal	20.04	2.22 0.06 73.26	3.00 3.78	0.12	144.00	1.20 288.00	36.00	Kettle (1b)	600 Servings 60-gal	
To make 64 gal	26.72	2.96 0.08 97.68	√01. 000+ 000+	0.08 2.00 0.16	192.00	1.60 364.00	48.00	Kettle (1b)	800 Servings 80-gal	
Measuring Stick					Kettle (agitating)	Holding container	Kettle, Colander	<u>Utensils</u>		

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OPERATIONAL GUIDE FOR CHILI MACARONI L-28-1 INSTRUCTIONS

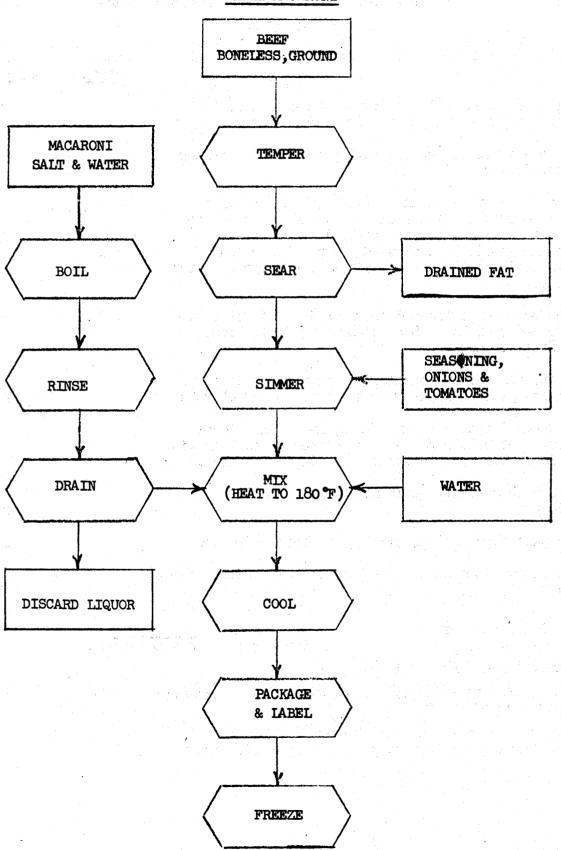
		Check <u>Points</u>	Time (Minutes)
0-	Verify components, ingredients, and spices as to number and amounts received from Prep. Area.		10
00-	Deliver Macaroni, Beef, tomato products, and spices to kettle area.		
1-	Place water and salt in kettle heat to a rolling boil. Slowly add macaroni to boiling water and continue to boil for approximately 15 minutes. Macaroni should be cooked but firm. Rinse and drain (colander) macaroni; place in holding pans for Step 4.		25
2-	Place beef in kettle and brown in its own fat until color has vanished. Shut steam off; drain liquid and fat; discard.		
3 -	Add dry seasonings, onions, and tomato products; mix thoroughly; turn steam on and simmer for 20 minutes.		25
14-	Add drained macaroni; mix thorougly. Raise level (volume) of kettle to required number of gallons with hot water using measuring stick. Shut off steam.		10
5 -	Weigh 5 lb of Chili Macaroni into each half-size table pan.		10
6 -	Pass pans thru lidding machine to cover and close.		10
7-	Pass closed pans thru labelling machine. Iabels should read:		10
	Chili Macaroni Date Prepared: Net Wt Servings: 7 of 1 1/4	cups	
	Reconstitution Instructions:		

Heat covered pans in $325^{\circ}\mathrm{F}$ preheated ovens to internal temperature of $160^{\circ}\mathrm{F}$.

Convection oven - 1 hour 15 minutes Conventional oven (ordinary) - 1 hour 30 minutes

MATERIAL FLOW

CHILI MACARONI



Prepare items for transportation in one of the following manners:

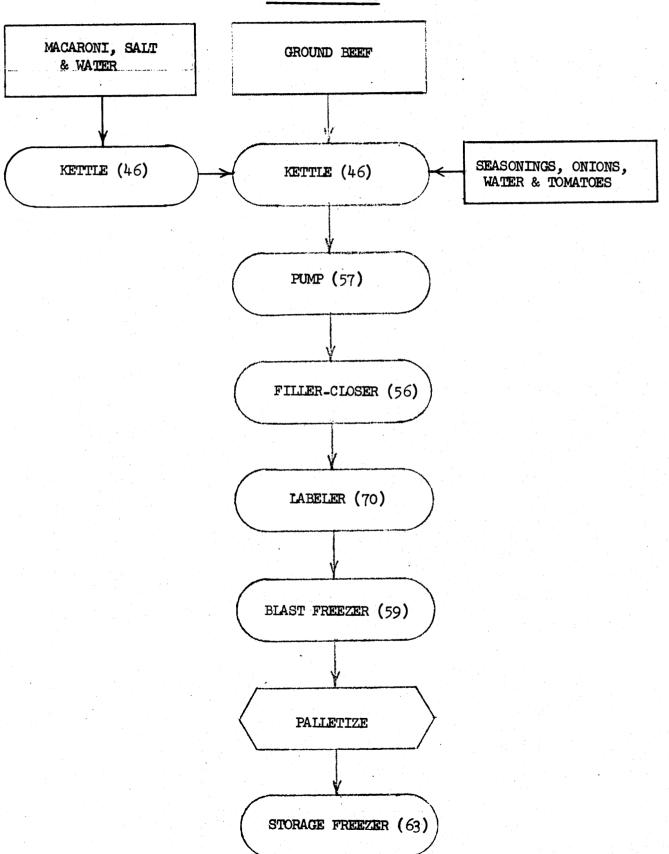
- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire tie; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
- 2 Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid.

9

Tomatoe paste (26% solids)	Tomatoes, canned, crushed 3	Paprika, ground Pepper, cayenne, red Salt, table Chili powder Bay leaves, ground	lic, dehyd, powder ons, dehyd, chopped	Beef, Bnls, ground· 7	Macaroni, dry 18 Salt, table (Ingredients
10.02 (1 bag 10.02 1bs)	36.63 (2 bags 18.31 lbs)	.06 .39 (1 bag .03 4.29 lbs) 1.89 1.11 0.03	.03 .75	72.00 (3 bags 24.00 lbs)	18.00 (1 bag 0.60 18.60 1bs)	300 Servings (1bs)
20.04 (1 bag 20.04 lbs) Bag size = 15," X 29-1/2"	73.26 (2 bags 18.31 lbs) Bag size = 15" X 29-1/2"	.12 .78 (1 bag .06 8.58 lbs) 3.78 2.22 0.06 Bag size = 15" X 29-1/2"	.06 1.50	144,00 (6 bags 24.00 lbs) Bag size = 15" X 29-1/2"	36.00 (2 bags 1.20 18.60 bs) Bag size = 5" x 29-1/2"	600 Servings (1bs)
26.72 (1 bag 26.72 lbs)	97.68 (4 bags 24.42 lbs)	0.16 1.04 (1 bag .08 11.44 lbs) 5.04 2.96 .08	2.00	192.00 (8 bags 24.00 lbs)	48.00 (4 bags 1.60 12.4 lbs)	800 Servings (1bs)
Tomato paste for chili macaroni * lbs	Tomatoes for chili macaroni * lbs	* 1bs	Spices for chili amacaroni	Beef for chili macaroni * lbs	Macaroni and salt for chili macaroni	Label Instructions for Polyethylene Bag or Box (if used)

*Appropriate weight to be written is dependent on number of servings.

CHILI MACARONI



OPERATIONAL GUIDE FOR BAKED LASAGNA L-25 INGREDIENTS & BATCH SIZE

								. ப	Sters		Controlling Container W
Water	Col-flo 67 starch_SP**	repper, black 1540 Onion dehyd, chid 5290 Garlic powder 4700 Thyme, grd 15990	red Salt Sugar, gran.	Oregano, grd Pepper, cayenne	canned Water, tap Bay leaves, grd	Tomato crushed,	Tomato paste,	Sauce Beef, Bhls, grd Oil	Ingredients		Controlling Equip: Kettle Container Wt: 5 lb 3½ oz
	h_SP**	15480 45290 15990	15850 15850	15420 15510	14320	6420	6460	310 14000	*Index No.		
+ Tc	0	0000	000	. 00	0 10	12	9	οĽ	(dI)	100 Servii	Ser
To make_ 4.75 gal_	0.25	0.000	ikk K	0.04	28	12.00	9.00	11.25	<u>b</u>)	100 Servings	vings/Co
To make9.50 gal	0.50	0.01.0	322 0.00	0.08	20.00 0.00	24.00	18.00	22.50 0.40	40-gal Kettle (Ib)	200 Servings	Servings/Container: 8 of 10.oz
To make 14.25 gal	0.75	0.01.0	0.73	0.12	0.00 030 030	36.00	27.00	33.75 0.60	40-gal Kettle (1b)	300 Servings	10.oz
To make 19.00 gal	1.00	0.020	2.00	0.16	o5 28	48.00	36.00	0.80 0.80	40-gal Kettle (1b)	400 Servings	Est. Prep Time: Approx. Yield:
Measuring stick								Kettle	Utensils		: 4.67 hours 200, 300, & 400 servings

		4		ω		2	Steps
Cheese, parmesan, 2480 grated	Cheese, Mozzarella, 2490 sliced or shredded	Cheese	Cheese, parmesan grated dehyd. Parsley, dehyd. flaked	Filling Eggs, whole, beaten 2 Cheese, cottage 2	, lasagna, able getable	Noodles	Ingredients *1
2480	₁ 24-90		2480 5400	1 2620 2440	8930 15850 14000		*Index
1.25	3.25		0.75	2.75 6.50	80.0.4 80.25 80.25		100 Servings (1b)
2.50	6.50		1.50 0.04	5.50 13.00	9.00 0.62 0.50 160.00		200 Servings 40-gal Kettle (1b)
3.75	9.75		2.25	8.25 19.50	13.50 0.75 0.75 240.00		300 Servings 40-gal Kettle (1b)
5.00	13.00		3.00 0.08	11.00 26.00	18.00 1.24 1.00 320.00		μοο Servings μο-gal Kettle (1b)
				Pot whip	Kettle w/basket		<u>Utensils</u>

* FSC Group 89 Subsistence Catalog (C8900-SI) 1 Jan 77
** Special Purchase

OPERATIONAL GUIDE FOR BAKED LASAGNA L-25 INSTRUCTIONS

NOT	E: This product requires two different kettles and space for assembling final product.	Check <u>Points</u>	Time (Minutes)
0-	Verify components, ingredients, and spices as to number and amounts received from Prep. Area.		10
00-	Deliver Beef, noodles, tomato products, spices, and starches to kettle area; eggs, cheese, and parsley to assembling area.		
	MEAT SAUCE		
1	Coat steam kettle with oil, place beef in kettle and heat while mixing until meat loses red color. Drain excess fat. Mix all remaining ingredients with water and tomato products, mixing well to		
	make slurry; crush all lumps. Add slurry to beef in kettle; mix well; heat to boil and simmer 30 minutes, stirring occasionally. Raise level		20
	(volume) of kettle to required amount of water using measuring stick. Shut off steam. Hold for panning (Step 5).		
	NOODLES		
2-,	Combine water, salt, and oil in kettle; bring to a		
	rolling boil. Add lasagna noodles slowly, using slow agitation; continue to cook for 18-20 minutes until noodles are tender. DO NOT OVERCOOK. Rinse noodles thoroughly with cold water and then cool		25
	noodles in cold water. Drain and hold for panning (Step 5).	ing the second of the second o	30
	FILLING		
3-	Mix beaten eggs, cheeses, and parsley well. Keep refrigerated if not used immediately.		15
	CHEESE		
14=	Lay out cheeses to be used in panning lasagna.		5
	PANNING		•
5-	Lasagna is made of 11 layers.		

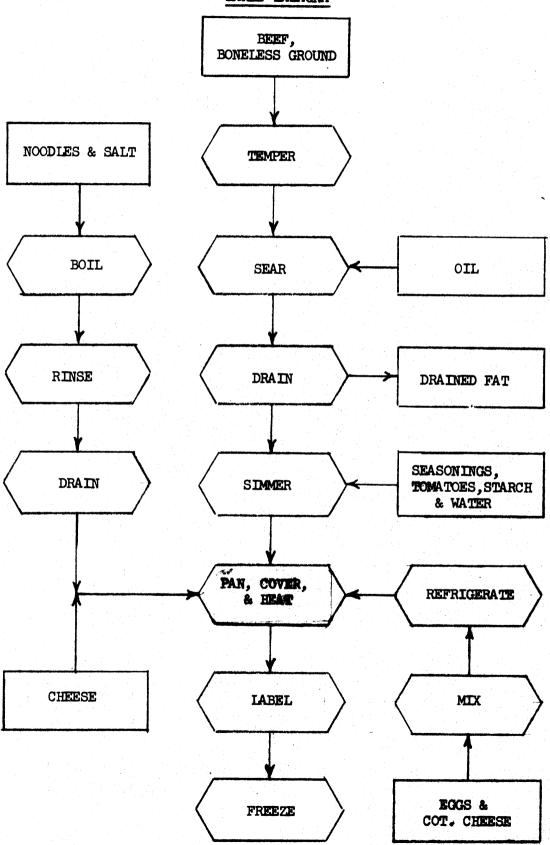
(a) In half-size steam table pans, spread about 1 lb of

meat sauce over bottom.

			Check <u>Points</u>	Time (Minutes)
	(b)	Spread approximately 6 oz of noodles over sauce.		
	(c)	Spread approximately 6 oz of egg, cheese filling over noodles.		35
	(d)	Lay Mozzarella cheese (approximately 2 oz) evenly over noodles.		
	(e)	Continue to fill pans by repeating a, b, c, and d.		
	(f)	Then place a layer of noodles over Mozzarella cheese.		
	(g)	Spread layer of meat sauce (1 lb) to cover entire surface of noodles.		
	(h)	Spread parmesan cheese (1-1/2 oz) evenly over meat sauce.		
6-	Pass	pans thru lidding machine to cover and close.		10
7-	Plac of 1	e pans in 325°F oven and heat to internal temperature 65°F (30 minutes).		30
8-	Pass Labe	pans thru labelling machine. lscshould read:		10
	Lasa Net			
	Reco	nstitution Instructions:		
	Heat temp	covered pans in 350°F preheated ovens to internal erature of 160°F.		
	Conv	ection ovens: 1 hour 15 minutes		
	Conve	entional (ordinary) ovens: 1 hour 30 minutes		£

MATERIAL FLOW

BAKED LASAGNA



GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - BAKED LASAGNA

Prepare items for transportation in one of the following manners:

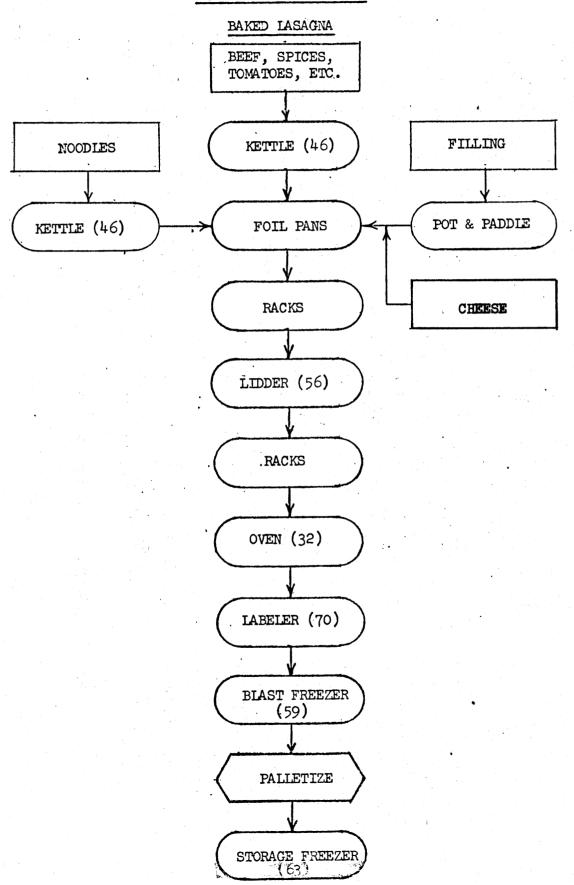
- Secure all bags with plastic or Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic wire tie; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. 2 þ

Label Instructions for Polyethylene Bag or Box (if used)	Beef and oil for baked (sauce)	Tomato paste for baked sauce tasagna (sauce tasagna tasagna)	Tomatoes for baked sales) lasagna (sauce)	Spices and starch for baked lasagna (sauce) * lbs)
400 Servings (1bs)	45.00 (2 bags .80 22.90 lbs)	36.00 (2 bags 18.00 lbs)	48.00 (2 bags 24.00 lbs)	.04 .16 .04 1.00 (1 bag 1.00 5.44 lbs) .04 2.00 .04 .12 .12
300 Servings (1bs)	33.75 (2 bags .60 16.88 lbs) Bag size = 15" X 29-1/2"	27.00 (1 bag 27.00 lbs) Bag size = 15" X 29-1/2"	36.00 (2 bags 18.00 lbs) Bag size = 15" X 29-1/2"	.03 .12 .03 .75 (1 bag .75 4.08 lbs) .03 1.50 .03 .09 .75 Bag size = 10" X 18"
200 Servings (1bs)	22.50 (1 bag .40 22.90 1bs)	18.00 (1 bag 18.00 lbs)	24.00 (1 bag 24.00 lbs)	.02 .08 .02 .50 (1 bag .50 2.72 lbs) .02 .02 .06
Ingredients Sauce	Beef, Bnls, ground 011	Tomato paste, canned	Tomatoes, crushed, canned	Bay leaves, ground Oregano, ground Pepper, cayenne, red Salt Sugar, granulated Pepper, black Onion, dehydrated, chopped Garlic powder Thyme, ground Col-Flo 67 starch

Label Instructions for Polyethylene Bag or Box (if used)	Noodles for baked lasagna (noodles)	Salt and oil for baked lasagna (noodles)	Eggs, cheese and parsley for baked lasagna (filling)	Cheese for baked lasagna (cheese)
400 Servings (1bs)	18.00 (1 bag 18.00 lbs)	1.24 (1 bag 1.00 2.24 lbs)	11.00 26.00 (2 bags 20.04 lbs) 3.00 0.08	13.00 (1 bag 5.00 18.00 1bs)
300 Servings (1bs)	13.50 (4 bag 13.50 lbs) Bag size = 15" X 29-1/2"	0.93 (1 bag 0.75 1.68 lbs) Bag size = 10" X 18"	8.25 19.50 (2 bags 2.25 0.06 Bag size = 15" X 29-1/2"	9.75 (1 bag 3.75 13.50 lbs) Bag size = 15" X 29-1/2"
200 Servings (1bs)	9.00 (1 bag 9.00 lbs)	0.62 (1 bag 0.50 1.12 lbs)	5.50 13.00 (1 bag 20.04 lbs) 1.50 0.04	6.50 (1 bag 2.50 9.00 lbs)
Ingredients	Noodles, lasagna, whole	Salt, table Oil, vegetable	Eggs, whole, beaten Cheese, cottage, drained Cheese, parmesan, grated Parsley, dehydrated, flaked	Cheese, mozzarella, sliced Cheese, parmesan, grated

*Appropriate weight to be written is dependent on number of servings.

EQUIPMENT UTILIZATION



OPETATIONAL GUIDE FOR MEAT BALLS AND SAUCE (FOR SPACHEITI & MEATBALLS) L-39 INCREDIENTS & BATCH SIZE

		Sters	Controlli Container
Water, tap	Meatballs (1.25 oz ea) Onions, dehyd, chopped Water, tap Beef, Bhls, ground Bread crumbs, dry Monfat dry milk Figs, whole beaten Pepper, black Salt, table Sauce Garlic powder Onion, dehyd, chopped Bay leaves, ground Oregano, ground Oregano, ground Pepper cayenne, Red Pomatoes, canned, crushed Tomatoes, canned, crushed Tomato paste, (26% solids, Salt, table Sugar, white Thyme, ground Water, tap	Ingredients	Controlling Equip: Oven & Kettle Container Wt: 5 lb 10 oz
	ea) pped 5290 310 6980 3050 2620 15480 15850 15850 ped 15520 15420 15520 15420 15520 15850 9930 15990	*Index	L e
To make 5.5 gal		100 Servings (1b)	Servings/Container:
To make 16.5 gal	1.83 6.96 6.96 1.56 1.56 21.66 21.66	300 Servings OVEN (1b)	
To make 27.5 gal	7.00.00 7.0	500 Servings OVEN (1b)	7 of 5 meatballs, 3/4 cup sauce
To make.	17.88 10.48	800 Servings OVEN (1b)	Est. Prep Time: Approx. Yield:
Measuring Stick	Pans OVEN Kettle Agitating	<u>Utensils</u>	2.8 hours 300, 500, & 800 servings

* FSC Group 89 Subsistence Catalog (C8900-SI) 1 Jan 77

OPERATIONAL GUIDE FOR MEAT BALLS (FOR SPAGHETTI AND MEAT BALLS) L-39 PREPARATION AREA

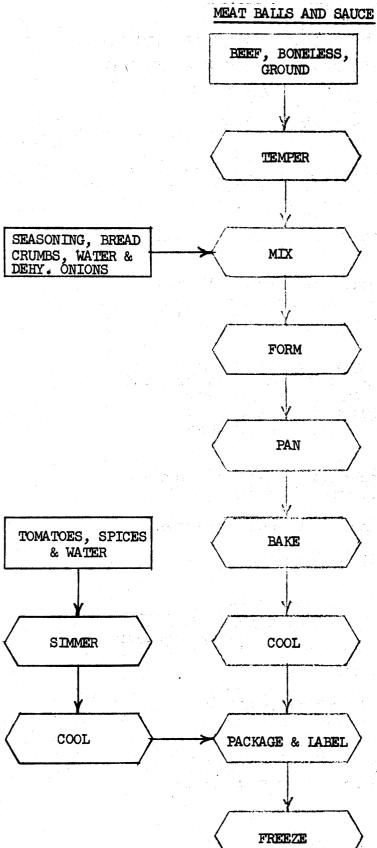
MEAT BALLS (1.25 oz ea)

- 1- Meat balls shall be prepared from ingredients and spices as listed in Step 1 of Ingredients and Batch Size of Operational Guide.
 - (a) Place beef, ingredients, and spices in meat mixer and mix lightly to blend.
 - (b) Pass meat thru the meatball forming machine (Patty maker) to form meatballs 1.25 oz each.
 - (c) Place meatballs on baking sheet pans which fit in ovens located in Central Kitchen area.
 - (d) Keep refrigerated until shipped to Central Kitchen.

OPERATIONAL GUIDE FOR MEAT BALLS SAUCE (FOR SPACHETTI AND MEAT BALLS) L-39 INSTRUCTIONS

NOTE	: This product requires two different kettles.	Check <u>Points</u>	Time (Minutes
0-	Verify components, (including meatballs), ingredients and spices as to number and amounts received from Prep. Area.		10
00-	Deliver meatballs to oven area, tomato products and spices to Kettle Area.		
1-	Place meatballs in preheated 325°F oven and bake uncovered for approximately 20 minutes, or until internal temperature reaches 165°F. Remove and hold for step 4a below.		25
2-	Place all sauce ingredients, except tomato paste, in kettle; mix well; heat to 180°F with slow agitation. Simmer for 30 minutes. Add tomato paste and mix well. Raise level (volume) of Kettle with water to required number of gallons. Shut off steam. Transfer to filler.		20
3-	Fill half-size steam table pans by placing 35 meatballs in pans. Cover with 3.5 pounds of sauce.		10
1+-	Pass pans thru lidding machine to cover and close.		10
5 -	Pass closed pans thru labelling machine. Labels should read:		
	Meat Balls & Sauce Net Wt: 5 lb 10 oz Reconstitution Instructions: Date Prepared: Servings: 7 Meatballs 3/4 cup Sauce		
	Heat covered pans in 325°F preheated oven to internal temperature of 160°F.		
	Convection oven: 1 hour 15 minutes		
	Conventional oven (ordinary): 1 hour 30 minutes		

MATERIAL FLOW



Prepare items for transportation in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic wire tie; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment. Secure all bags with plastic or
- ဓ္ 2 Place #10 cans of ingredients in wire baskets for transportation. shipment, cover with plastic lid. NOTE: If cans are opened prior to

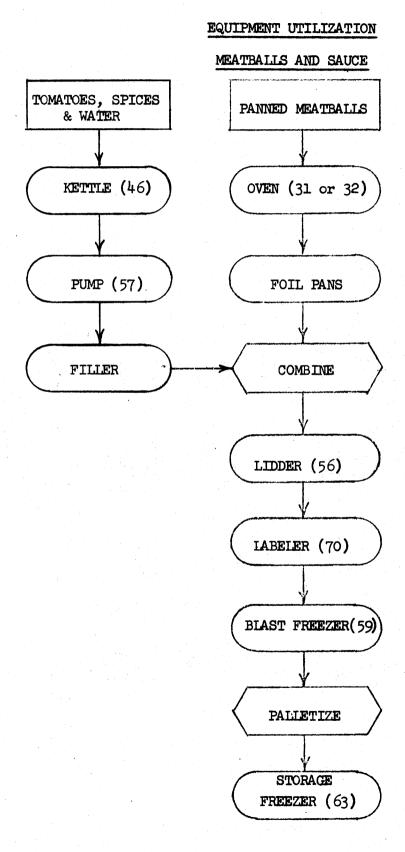
Garlic powder Garlic powder Onion, dehyd, chopped Bay leaves, ground Oregano, ground Pepper, Cayenne, red Salt, table Sugar, white Thyme, ground	Beef, bnls, ground Onions, dehydrated, chopped Bread crumbs, dry Nonfat dry milk Eggs, whole, beaten Pepper, black Salt, table	Ingredients Meat Balls
0.03 1.20 0.03 (1 bag 0.12 11.85 lbs) 0.03 2.10 8.22 0.12	90.00 (3 bags 30.00 lbs) 1.83 6.96 (1 bag 6.96 (1 bag 3.43 21.27 lbs) 0.03 1.56	300 Servings (1bs)
0.05 2.00 0.05 (1 bag 0.20 19.75 lbs) 0.05 3.50 13.70 0.20	150.00 (5 bags 30.00 lbs) Bag size = 15" X 29-1/2" 3.05 11.15 11.15 (2 bags 6.55 17.28 lbs) 0.05 2.60 Bag size = 15" X 29-1/2"	500 Servings (1bs)
0.08 3.20 0.08 (2 bags 0.32 15.80 lbs) 0.08 5.60 21.92 0.32	240.00 (8 bags 30.00 lbs) 4.88 4.88 18.56 18.56 (3 bags 10.48 18.91 lbs) 0.08 4.16	800 Servings (1bs)
Spices for meat balls and spaghetti sauce (sauce)	Beef for meat balls and spaghetti sauce (meat balls) * lbs Ingredients and spices of for meat balls and spaghetti sauce (meat balls) * lbs	Label Instructions for Polyethylene Bag or Box (if used)

Bag size = 15" X 29-1/2"

GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - MEAT BALLS AND SPAGHETTI SAUCE (Cont'd)

Label Instructions for Polyethylene Bag or Box (if used)	Tomato paste for meat balls and spaghetti sauce (sauce)	Tomatoes for meat balls and spaghetti sauce (sauce)	Spaghetti for meat balls	and spaghetti 1 lbs Salt and oil for meat	balls and spagnetty
800 Servings (1bs)	57.76 (3 bags 19.28 lbs) 1/2"	160.00 (8 bags 20.00 lbs) /2"	103.44 (4 bags	25.86 1bs) /2 2.48 (1 bag	
500 Servings (1bs)	36.10 (2 bags 18.05 lbs) Bag size = 15" X 29-1/2"	100.00 (5 bags 20.00 lbs) Bag size = 15" X 29-1/2"	64.65 (3 bags	21.55 lbs) Bag size = 15" X 29-1/2 1.55 (1 bag	Z.U5 3.60 lbs) Bag size = 10" X 18"
300 Servings (1bs)	21.66 (1 bag 21.66 lbs)	60.00 (3 bags 20.00 lbs)	38.79 (2 bags	19.39 1bs) 0.93 (1 bag	1.23 2.16 lbs)
Ingredients	Sauce (Cont'd) Tomato paste (26% solids)	Tomatoes, canned, crushed	Spaghetti Spaghetti, dry	Salt, table	Ull, vegetable

*Appropriate weight to be written is dependent on number of servings.



OPERATIONAL GUIDE FOR SWEDISH MFATBALLS WITH GRAVY $L^{-1}+1$

INGREDIENTS & BATCH SIZE

	N	ى ر		Ч	Steps	Control: Contrine
Water	Flour, wheat Water, tap Col-flo 67 starch Beef, Soup & Gravy Base Garlic, dry Nutmeg, ground Oregano, ground Pepper, black Paprika, ground	Crossey	Onions, dehyd, chopped Monfat dry milk Water, tap Bread crumbs, dry Figs, whole, beaten Pepper, black Salt, table Beef, bmls, ground	Meatballs (1.25 oz ea)	Ingredients	Controlling Equip: Oven & Kettles Container Net Wt: 4 lb 10 oz
	8300 15340 15480 15480		5290 3050 6980 2620 15480 15850 310		*Index	02
To make 4.5 gal	0.000000000000000000000000000000000000	Kettle	30012000 32288428		100 Servings (1b)	Servings/Cont
To make 13.5 gal	2.28 2.28 2.28 0.03 0.03 0.03	40-gal	9.0.0.8.5.3.8 5.7.3.8.6.3.8 5.7.3.8.6.3.8		300 Servings OVFN (1b)	Servings/Container: 7 of 5 Meatball and 5 oz gravy
To make 22.5 gal	157.588 0.0555588	50•gal Kettle	12.25 12.25 12.25 12.25 12.25		500 Servings OVEN (1b)	5 Meatballs oz gravy
To make 36.0 gal	6.08 6.08 11.14 0.08 0.08	60-gal	2 12 12 12 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13		800 Servings OVEN (1b)	Est. Prep Time Approx Yield:
Measuring stick	Kettle agitating Pot Whip		Pan Oven			Est. Prep Time: 3.6 hours Approx Yield: 300, 500, & 800 servings

^{*} FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 77

^{**} Special Purchase

OPERATIONAL GUIDE FOR SWEDISH MEATBALLS L-41 PREPARATION AREA

SWEDISH MEATBALLS (1.25 oz ea)

- 1- Swedish meatballs shall be prepared from components and spices as
 listed in Step 1 of "Ingredients and Batch Size of Operational Guide."
 - (a) Place water, dehydrated onions, and non-fat dry milk in mixer; blend and let stand 10 minutes.
 - (b) Combine ground beef and remaining ingredients with milk and onions in meat mixer, and mix lightly but thoroughly.
 - (c) Pass meat mixture through meatball forming machine (Patty Maker) to form meatballs of 1.25 oz each.
 - (d) Place meatballs on baking sheet pans which fit in ovens located in Central Kitchen area.
 - (e) Keep refrigerated until shipped to Central Kitchen.

OPERATIONAL GUIDE FOR SWEDISH MEATBALLS WITH GRAVY L-41

INSTRUCTIONS

			Check <u>Points</u>	Time (<u>Minutes)</u>
0=	Verify component (including meatballs), and spices as to number and amounts rec Prep. Area.	ingredients, eived from		10
00=	Deliver meatballs to oven area; flour, remaining spices to the Kettle Area.	starch, and		
1-	Place meatballs in preheated 325°F oven uncovered for approximately 20 minutes internal temperature reaches 165°F. Recoven and hold for step 3 (a) below.	or until		25
2=	Gravy: Add about half of formula water combine all remaining ingredients excep starch, mixing well to break up lumps. shut off steam. Combine flour and star remaining water in separate pot to make Add slurry to steam kettle slowly while Heat to 200 F., with constant stirring Raise level (volume) of kettle with water of college using measuring stick.	t flour and Heat to 180°F; ch with a slurry. mixing. for 20 minutes. er to required amt.		70
T.	of gallons using measuring stick. Transmachine. Hold for step 3 (b) below.	ier gravy to iliting		
3-	Filling, half-size table pans.			
	(a) Place 35 meatballs in each pan,			10
	(b) Cover panned meatballs with 2 ½ 1b	of gravy.		10
4-	Pass filled pans thru lidding machine to close.	o cover and		10
5 -	Pass closed pans thru labelling machine Labels should read:	or and the second of the secon		10
	Swedish Meatballs with Gravy Net Wt: 4 lb 10 oz	Date Prepared: Servings: 7 of 5 Me	eatballs-5	oz gravy

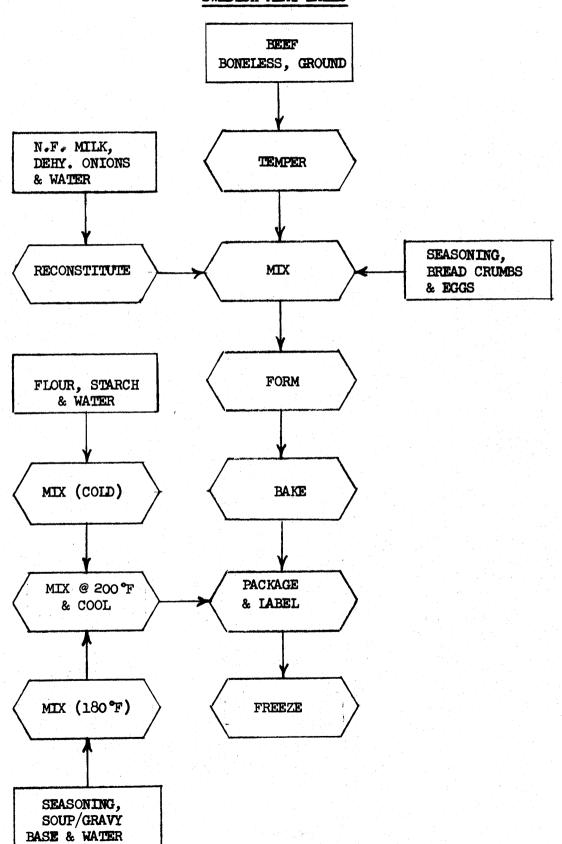
Reconstitution Instructions:

Heat covered pans in $325^{\circ}\mathrm{F}$ preheated oven to internal temperature of $160^{\circ}\mathrm{F}$.

Convection oven - 1 hour 15 minutes Conventional (ordinary) oven - 1 hour 30 minutes

MATERIAL FLOW

SWEDISH MEAT BALLS



Prepare items for transportation in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire tie; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
- 2 Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid.

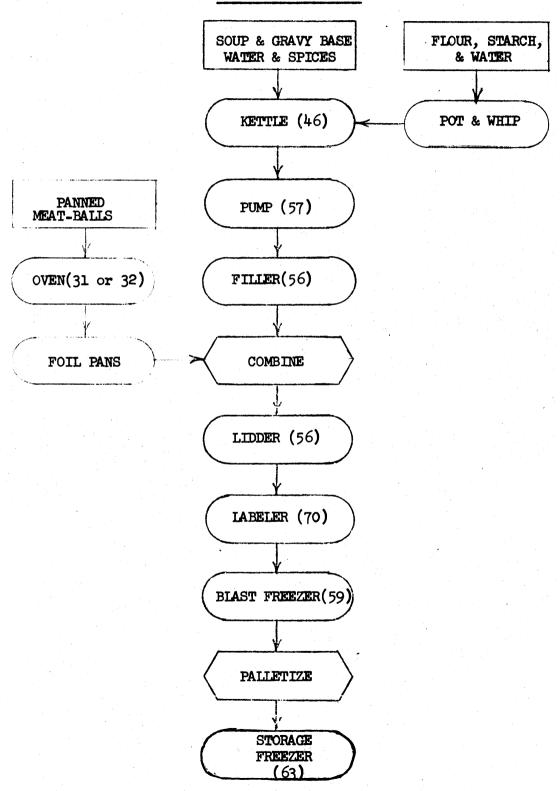
윽

		.10 Bag size = 15" X 29-1/2"	.06	Paprika, ground
	.08	.05	.03	Pepper, black
* 1bs	.08 24.08 lbs)	.05 15.05 lbs)	.03 9.03 lbs)	Nutmeg, ground
with gravy .		7.15 05 (1 han	4.29	Beef, soup & gravy base
for swedish meat	6.08	3.80	2.28	Col-Flo 67 starch
All gravy ingredients	6.08	3,80	2.28	Flour wheat
			•	Gravy
* 1bs	1/2"	Bag size = 15" X 29-1/2"		,
	244.00	152.50	91.50	Beef, bnls, ground
with gravy (meat balls)	2.00	1.25	75	Salt, table
eggs, sait and pepper	8.00 (15 bags	5.00 (10 bags	3.00 (5 bags	Engs, whole, beaten
Beef, bread crumbs		14.40	8.64	Bread crumbs, dry
* lbs		Bag size = 10" X 18"		-
with gravy (Meat Balls)	2.56 5.92 lbs)	1.60 3.70 lbs)	0.96 2.22 lbs)	Low fat dry milk
swedish meat bal			1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	chopped
Onions and milk for	3-36 (1 bag	2.10 (1 bag	1 26 (1 had	Onions dehudrated
				Meat Balls
(if used)	(1bs)	(1bs)	(1bs)	Ingredients
Label Instructions for Polyethylene Bag or Box	Servings	500 Servings	300 Servings	

*Appropriate weight to be written is dependent on number of servings.

EQUIPMENT UTILIZATION

SWEDISH MEAT-BALLS



OPERATIONAL GUIDE FOR MEAT LOAF
WITH EROWN GRAVY L-35(2)
INGREDIEWIS & BATCH SIZE

	6	Vī	.	w	N		1	Steps	Control:
* FSC Group 89 Subsisten	Water	Col-Flo 67, starch Water, tap Pepper, black Caramel coloring, liquid Beef soup & Gravy base	Meat drippings, liquids and water Flour, wheat	Shortening GRAVY	Beef, Bnls, ground Eggs, whole, beaten Salt, table Pepper, black Bread crumbs, dry Water, tap	chopped Peppers, sweet, fresh chopped Celery, fresh, chopped Shortening	Onions, dehydrated,	Ingredients	Controlling Equip: Mixer, Oven Container Net Wt:
ce Catalog (SP** 15480 14960 11440	8300	14080	310 2620 15850 15480 6980	5690 14080	5290	*Index	
Subsistence Catalog (C8900-SL) 1 Jan 77	To make 3-gal	0.50 23.50 0.01 0.40	1.50 1.00	0.50	6,00 0,40 0,00 0,00 0,00 0,00 0,00 0,00	0.50 1.00 0.50	0.18	100 Servings (1b)	Servings/Container:
**	To make 9-gal	70.50 0.03 0.03 1.20	¥.50 3.00	1.50 40-gal	3.90 1.20 1.20 18.00	1.50 3.00 1.50	0.54	300 Servings MIXER (1b)	
* Special Purchase	To make 15-gal	2.55 117.55 0.05 0.05 2.00	7.50	2.50 40-gal	150.00 6.50 2.00 0.15 20.00 30.00	2.50 2.50	0.90	500 Servings MIXER (1b)	Loaf 13 of 6 oz ea Gravy 13 of 4 oz ea
Φ.	Measuring stick	Pot Whip		OVENS	Meat Lugs	Mixer	Kettle		Est. Prep Time: 6.4 hours Approx. Yield: 300 & 500 servings

OPERATIONAL GUIDE FOR MEAT LOAF WITH BROWN GRAVY L-35(2) INTRODUCTION

- Meat Loaf With Brown Gravy is produced in three parts as follows:
- Part I Meat Loaf Preparation Area Components, ingredients and spices are weighed. Meat Loaf is mixed and bulk shipped to Central Kitchen.
- Part II Meat Loaf (continued) Central Kitchen Bulk meat loaf is weighed, panned cooked and prepared for freezer storage.
- Part III Brown Gravy Central Kitchen Brown Gravy is mixed, cooked and packaged (separately) for freezer storage.

OPERATIONAL GUIDE FOR MEAT LOAF WITH BROWN GRAVY L-35(2) PREPARATION AREA INSTRUCTIONS

Par		Check <u>Points</u>	Time (Minutes)
NOTI	E: This product must be prepared in an Area where mechanical mixer is located.		
1	Vegetables listed in operational guide, "Batch Size and ingredients" (Step 1) namely, rehydrated onions, chopped green peppers and chopped celery are sauteed in shortening, using kettle, until slightly browned.		20
2=	Eggs are slightly beaten, and added with water, bread crumbs, salt, pepper to the ground beef in mixer. Also add sauteed vegetables (Step 1), start mixer, mix slightly, only enough to disperse all ingredients well. Over mixing destroys the texture in the finished product. Shut off mixer, transfer meat loaf mixture to containers for transfer to Central Kitchen. Keep refrigerated until transferred.		20

OPERATIONAL GUIDE FOR MEAT LOAF WITH BROWN GRAVY L-35(2) CENTRAL KITCHENS INSTRUCTIONS

	office in the species of the second s	Check <u>Points</u>	Time (Minute
0-	Verify bulk meat loaf mixture and shortening received from Prep. Area as to quantity and state of refrigeration.		10
∞-	Note: Steps 1 and 2 are performed in Prep. Area and brown gravy is fabricated as Part III.		
3-	Slightly grease half-size steam table aluminum pans with shortening. Load pans with 5-½ pounds of bulk meat loaf mixture. Pack pans well to eliminate air pockets and voids, pat top evenly and smoothly. CARE MUST BE EXERCISED NOT TO DISTORT ALUMINUM PANS WHILE HANDLING. COVERS WILL NOT FIT DISTORTED PANS. Bake filled pans in preheated 350 F oven to internal temperature of 165 F or approximately one hour fifteen minutes.		90
	(a) Remove pans from oven, set aside to temper (cool to room temperature for easy handling). When tempered, drain excess fat and liquid from panned meat loaf, reserve liquids for gravy, Part III. NOTE: Pans need not be drained dry, fat covering bottom of pan will be beneficial during reconstitution.		30
	(b) When loaves are cooled, pass pans thru lidding machine to cover and close.		10
	(c) Pass covered pans thru labelling machine. Labels should read:		10
	Meat Loaf Net Wt: Date Prepared: Servings/Container: 1	of 6 oz	
	Reconstitution Instructions:		

Heat covered pans in preheated $325^{\circ}\mathrm{F}$ ovens to internal temperature of $165^{\circ}\mathrm{F}$.

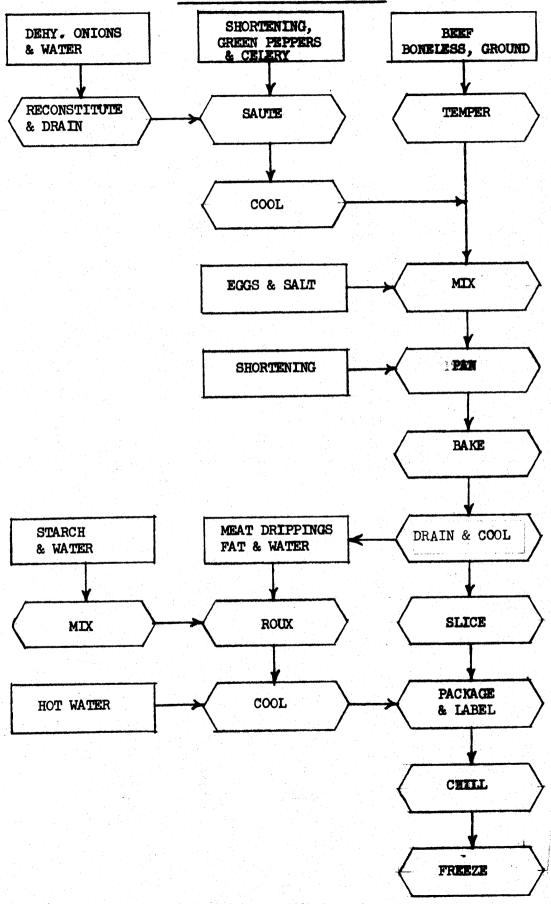
Convection ovens - 1 hour 15 minutes

Conventional (ordinary) ovens - 1 hour 30 minutes

OPERATIONAL GUIDE FOR MEAT LOAF WITH BROWN GRAVY L-35(2)

	Part III - Gravy	Check Points	Time (Minutes)
1	Load meat drippings and shortening in kettle; sprinkle flour evenly over flat and with constant agitation; cook for 10 minutes. Crush all lumps.		15
5-	Combine starch, water, pepper, caramel coloring and beef soup and gravy, heat to dissolve beef base. Add starch mixture slowly to roux, mix thoroughly, and cook for 20 minutes with agitation.		15
6=	Raise level (volume) of product in kettle to required number of gallons with water using measuring stick.		10
7-	Transfer gravy to filling machine.		10
8- *	Fill pure-pak containers with 3.5 lb of gravy and close.		25
9-	Pass containers thru labelling machine. Labels should read:		10
	Brown Gravy for Meat Loaf Net Wt: 4 lb Date Prepared: Servings: 13 of 4 oz		
	Reconstitution Instructions:		
	Heat covered pans in oven to internal temperature of 165°	F , 1	
	Convection oven: 1 hour 15 minutes Conventional (ordinary) oven: 1-1/2 hours		
	Alternatively this gravy may be poured (removed from pans) in kettle and heated to 165 F. (Do not scorch.)		

MEAT LOAF WITH BROWN GRAVY



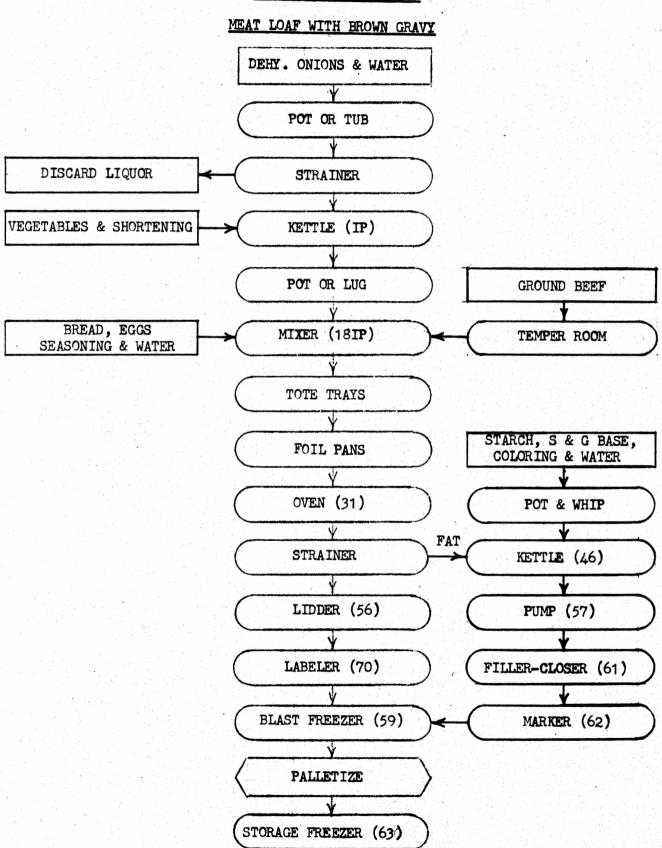
Prepare items for transportation in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the Place bagged items in wire baskets for transportation. wire ties; label with label instructions. side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. 2 ö

Ingredients	300 Servings (1bs)	500 Servings (1bs)	Label Instructions for Polyethylene Bag or Box (if used)
Meat loaf mixture*	131.73 (6 bags 21.96 lbs)	219.55 (10 bags 12.96 lbs)	Meat loaf mixture for meat loaf with brown gravy
	Bag size = 15" X 29-1/2"	.5."	21.96 lbs
Shortening	1.50 (1 bag 1.50 lbs) Bag size = 10" X 18"	2.50 (1 bag 2.50 lbs)	Shortening for meat loaf with brown gravy the state of th
GRAVY			
Flour, wheat	3.00 (1 bag 3.00 lbs)	5.00 (1 bag 5.00 lbs)	Flour for meat loaf with brown gravy (Gravy)
	Bag size = 10" X 18"		** 1bs
Col-Flo 67, starch Pepper, black Caramel coloring, liquid Beef soup & gravy base	1.50 0.03 (1 bag 0.03 2.76 lbs) 1.20	2.50 0.05 (1 bag 0.05 4.60 lbs) 2.00	Starch, pepper, coloring and soup and gravy base for meat loaf with brown gravy (Gravy)
	Bag size = 10" X 18"		** 1bs

n number of servings. *The mixture is prepared in Ingredients Preparation Area. *Appropriate weight to be written is dependen

EQUIPMENT UTILIZATION



OPERATIONAL GUIDE FOR MEAT SAUCE (FOR SPACHETTI) L-38 INGREDIENTS & BATCH SIZE

		N		r H	Steps	Control: Contains
Water	Tomatoes, canned, crushed Garlic powder Salt, table Oregano, ground Pepper, cayenne, red Thyme, ground Sugar, white Bay leaves, ground Water, tap Col-flo 67, starch	Tomato paste (26%	Beef, ground	Meat Sauce	Ingredients	Controlling Equip: Kettle Container Wt: Meat Sauce 5.0 lb
	6420 15850 15420 15510 15590 14320 14320	2500 0	310		*Index	
To make 7.8 gal	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	11.50	25.00		100 Servings (1b)	Servings/Container:
To make 15.6 gal	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	23.00	50.00		200 Servings 40-gal Kettle (1b)	ntainer: 9 of 1
To make 23.4 gal	0.55 0.03 0.03 0.03 0.03 0.03 0.03 0.03	34 . 50	75.00		300 Servings 40-gal Kettle (1b)	1 cup
To make 31.2 gal	03.02.000 03.02.000 00.0000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.0000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.0000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.0000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.0000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.0000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.0000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.0000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.0000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.0000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.0000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.0000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.0000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.0000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.0000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.0000 00.000 0	₹.8	100.00		400 Servings 60-gal Kettle (1b)	Est. Prep Time: Approx. Yield:
Measuring stick	Whip	Pot	Kettle agitating			9: 3.3 hours 1: 200, 300, & 400 1: servings

^{*} FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 77

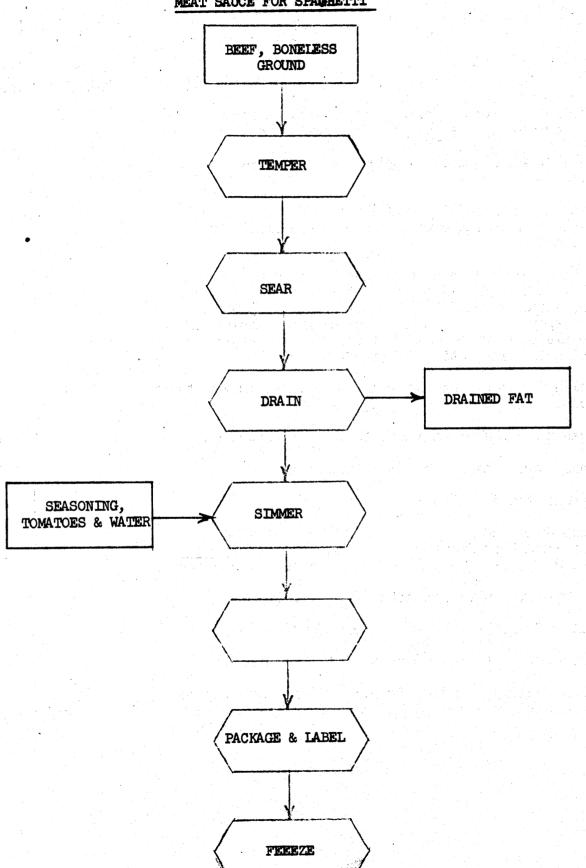
^{**} Special Purchase

OPERATIONAL GUIDE FOR MEAT SAUCE (FOR SPAGHETTI) L-38 INSTRUCTIONS

		Check Points	Time (Minutes
0-	Verify components, ingredients and spices as to number and amounts received from Prep. Area.		10
00-	Deliver ground beef and spices to the Kettle Area.		
1-	Place ground beef in kettle; heat and cook till all redness has disappeared. Drain excess liquid and discard.		10
2-	Combine all remaining ingredients with water; blend well; add to cooked beef in kettle. Heat to 180°F and simmer covered for 30 minutes with agitator on low speed. Stop agitator. Raise level (volume) of kettle to required number of gallons with water using measuring stick. Shut off steam.		30
3-	Weigh 5.0 lb of meat sauce in the half-size steam table		
J	pans.		10
4-	Pass meat tomato sauce pans thru lidding machine.		20
5-	Pass covered pans thru labelling machine.		20
	Labels should read:		
	Meat Sauce Labels Spaghetti Meat Sauce Net Wt: 5 lb Date Prepared: Servings: 9 of 1 cup		
	Reconstitution Instructions:		
	Convection oven - 1 hour 15 minutes Conventional (ordinary) oven - 1 hour 30 minutes		
	Alternatively, the Meat Sauce (For Spaghetti) may be poured into steam kettle and warmed to 160 F.		

110 MATERIAL FLOW

MEAT SAUCE FOR SPACHETTI



GEWERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - SPAGHETTI WITH MEAT SAUCE

Prepare items for transportation in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire tie; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.

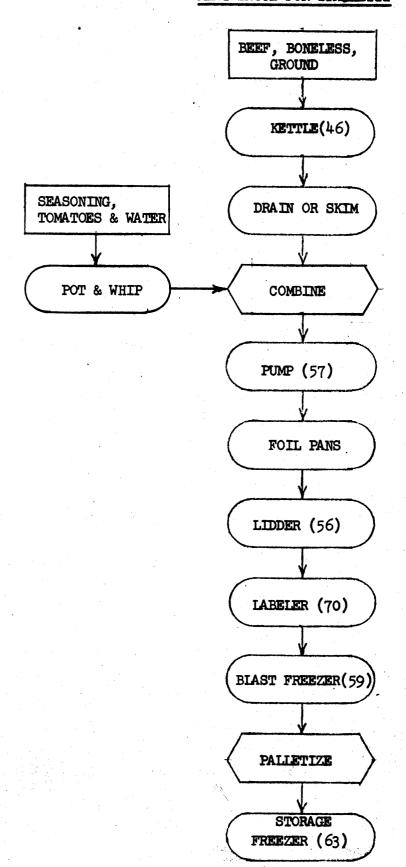
 Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid.
 - ۲, p

Ingredients	200 Servings (1bs)	300 400 Servings Servings (1bs)		Label Instructions for Polyethylene Bag or Box (if used)
Spaghetti, dry	24.52 (1 bag 24.52 lbs)	36.78 (2 bags 18.39 lbs) 18 stze = 15" X 29-1/2"	49.04 (3 bags 16.35 lbs)	Spaghetti for spagh i with meat sauce
Salt, table Oil, vegetable	.62 (1 bag 1.00 1.62 lbs)	.93 (1 bag 1.24 (1 1.50 2.43 lbs) 2.00 3 Bag size = 10" X 18"	1.24 (1 bag 2.00 3.24 lbs)	Salt and oil for spaghetti w/meat sauce
Beef, ground	50.00 (2 bags 25.00 lbs)	75.00 (3 bags 100.00 (4 bags 25.00 lbs) 25.00 Bag size = 15" X 29-1/2"	4 bags 25.00 lbs)	Beef for spaghetti ☐ w/meat sauce 25.00 lbs
Tomato paste (26% solids)	23.00 (1 bag 23.00 lbs)	34.50 (2 bags 17.25 lbs) Bag size = 15" X 29-1/2"	46.00 (2 bags 23.00 lbs)	Tomato paste for spaghetti w/meat sauce
Tomatoes, canned, crushed	51.00 (2 bags 25.50 lbs)	76.50 (3 bags 102.00 (4 bags 25.5 lbs) 25.5 lbs) 8ag size = 15" X(\frac{2}{2}9-1/2"	bags 5.5 lbs)	Tomatoes for spaghetti w/meat sauce 25.50 lbs
Garlic powder Salt, table	5		\$ 	Spice & starch for spaghetti W/meat sauce
Uregano, ground Pepper, cayenne, red	.02 (1 bag .02 2.65 lbs)	(1 pag 3.99 lbs)	.04 5.32 lbs)	* 1bs
Thyne, ground Sugar, white Bay leaves, ground Col-Flo 67 starch	.02 1.26 0.01 0.38	. 03 1.89 2.52 . 03 . 04 . 57		

*Appropriate weight to be written is dependent on number of servings. Bag size = 10" X 18"

EQUIPMENT UTILIZATION

MEAT SAUCE FOR SPACHETTI



OPERATIONAL GUIDE FOR CHICKEN FRIED

STEAKS T-10

Ę,			ů	N	, P	Stels	Controll Containe	
Shortening	Water, tap	beaten	Milk, nonfat, dry	Beef, Hils, Swiss Steaks (steak per serving)	Flour, wheat Salt, table Pepper, black Monosodium Glutamate	Ingredients	Controlling Equip: Ovens Container Net Wt:	
14080		2620	3050	190	8300 15850 15480 15260	*Index		
2.00	4.00	2.00	T4.0	38.00	0.05	100 Servings	Servings/Container:	STEAL INGREDIENT
6.00	12.00	6.00	1.23	114.00	0.14.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	300 Servings OVEN (1b)		STEAKS L-12 INGREDIENTS & BATCH SIZE
10.00	20.00	10.00	2.05	190.00	0.20 0.20 0.27	500 Servings OVEN (1b)	10 of 1 steak each	
16.00	32.00	16.00	3.28	30+.00	0.3% 0.3% 0.3%	800 Servings OVEN (1b)	Est. Prep T Approx. Yie	
			Oven		Baking sheet Breader Fryer Deep Bake Pans		Est. Prep Time: 4.1 hours Approx. Yield: 300, 500, & 800 servings	

^{*} FSC Group 89 Substatence Catalog (C8900-SL) 1 Jan 77

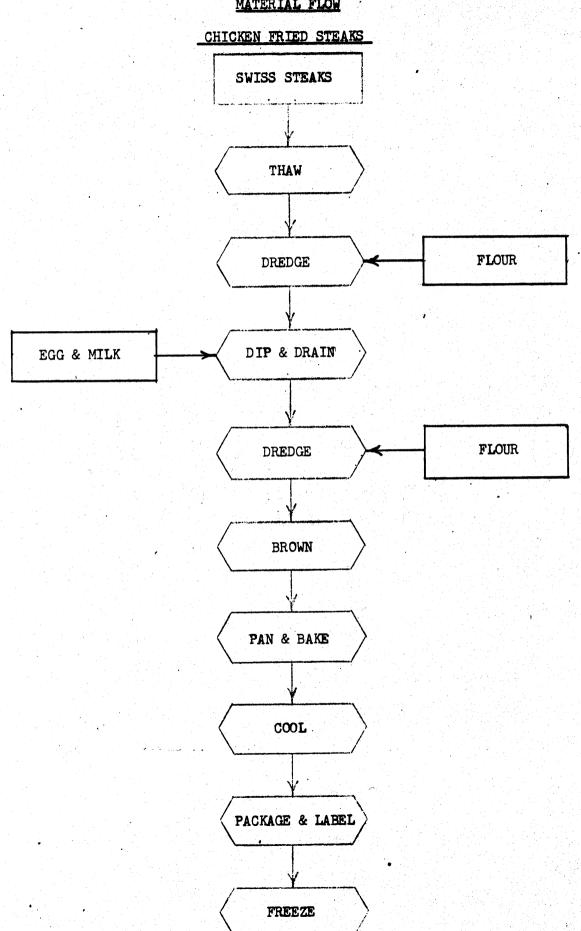
OPERATIONAL GUIDE FOR CHICKEN FRIED STEAKS L-12 INSTRUCTIONS

NOTE:	This product requires that the steaks be dredged in flour, dipped in egg-wash, and dredged again in flour. The use of two dredgings in important to produce the proper coating.	Check <u>Points</u>	Time (Minutes)
	Verify components, ingredients (including the flour, salt, pepper, monosodium glutamate mixture), beef steaks, and the milk and egg mixture (egg wash).		10
∞-	Deliver all components, ingredients, etc., to the breading and frying area.		
1-	Load breading machine (dry section) with mixture of flour, salt, pepper, and monosodium glutamate.		10
2-	Pass steaks thru breading machine to dredge. Place dredged steaks on baking sheets.		30
3-	When all steaks are dredged, load breading machine (wet section) with milk and egg mixture. Check flour mixture in dry section for quantity also. Place breading machine in line with preheated deep fat fryer. Pass dredged steaks through breader-fryer to brown.		40
) +-	Overlap fried steaks in large deep, slightly greased baking pans. Cover pans tightly and bake in preheated 350°F oven until steaks are tender (about 2 hours).		120
5-	Shingle (overlap) 10 fried-baked steaks in half-size steam table pan. Allow to cool to room temperature.		30
6 -	Pass filled pans thru lidding machine to cover and close.		10
7-	Pass covered pans thru labelling machine. Labels should read:		10
	Chicken Fried Steaks Net Wt: Date Prepared: Servings: 10 of 1 steak	each	
	Reconstitution Instructions:		
	Heat covered pans in 325°F preheated ovens to internal temperature of 165°F.		

Convection Ovens: 1 hour 15 minutes

Conventional (ordinary) ovens: 1 hour 30 minutes

115 MATERIAL FLOW

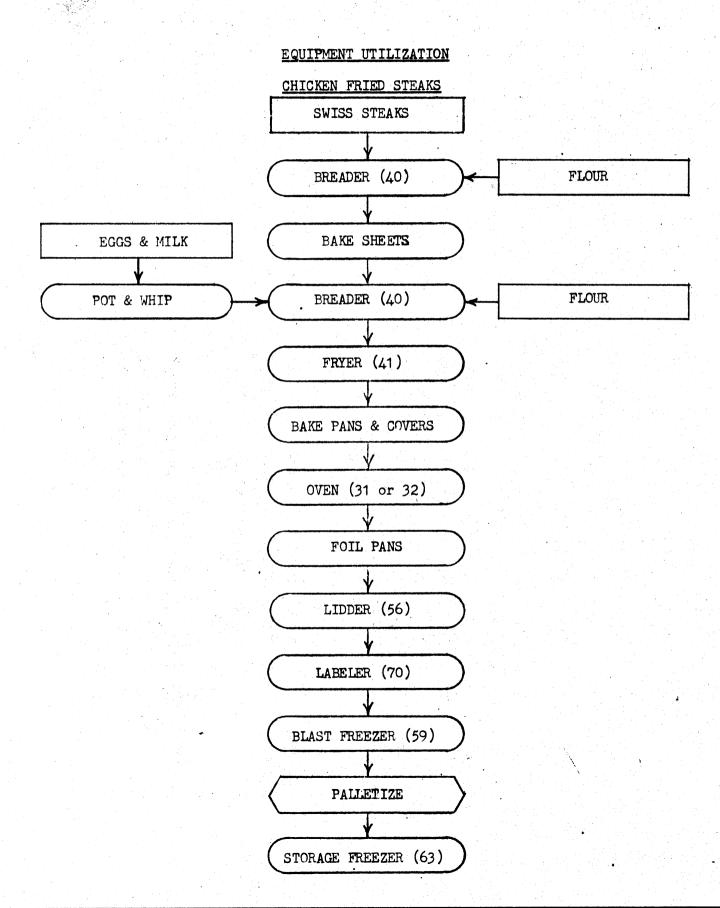


Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. It plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the

Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to side of the box) prior to shipment. shipment, cover with plastic lid. ۲,

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Label Instructions for Polyethylene Bag or Box (if used)	Flour, salt, pepper and gs monosodium glutamate for 6 lbs) chicken fried steaks	* lbs	ags Beef steaks for chicken⊟ 0 lbs) fried steaks	* lbs	g Milk and eggs for chicken 8 lbs) fried steaks	* lbs	gs Shortening for chicken lbs)	* 1bs
800 Servings (1bs)	32.00 4.00 (2 bags 0.32 18.36 lbs) 0.40	9-1/2"	304.00 (13 bags 23.40 lbs)	9-1/2"	3.28 (1 bag 16.00 19.28 lbs)	1/2"	16.00 (2 bags 8.00 lbs)	-1/2"
500 Servings (1bs)	20.00 2.50 (1 bag 0.20 22.95 lbs) 0.25	Bag size = 15" X 29-1/2"	190.00 (8 bags 23.80 lbs)	Bag size = 15" X 29-1/2"	2.05 (1 bag 10.00 12.05 lbs)	Bag size = 15" X 29-1/2"	10.00 (2 bags 5.00 lbs)	Bag size = 15" X 29-1/2"
300 Servings (1bs)	12.00 1.05 (1 bag 0.12 13.77 lbs) 0.15		114.00 (5 bags 22.80 lbs)		1.23 (1 bag 6.00 7.23 lbs)		6.00 (1 bag 6.00 lbs)	
Ingredients	Flour, wheat Salt, table Pepper, black Monosodium glutamate		Beef, boneless, swiss steaks (1 steak/serving)		Milk, nonfat, dry Eggs, whole, slightly	Deareil	Shortening	



OPERATIONAL GUIDE FOR PEPPER STEAKS L-13 INGREDIENTS & BATCH SIZE

Controlling Equip: Container Net Wt: 0vens Servings/Container: 10 of 1 steak & 1/2 cup gravy Est. Prep Time: 4.9 hours
Approx. Yield: 300, 500, & 800
servings

4	(.u			N		 	Steps	
Peppers, green, fresh, chopped, 5 x 5 in.	Drippings & Waver	Col-flo 67, starch	Salt, table Sugar Pepper, black Monosodium Glutamate	Water, tap Tomato paste, canned Soy Sauce		Beef, Bnls, Swiss Steak (1 steak per serving)	Ingredients	
5690		SP**	15850 15480 15260	6460 15915		190	*Index No.	
8.00	3.0 gal	0.37	0.13	3.1.4 2.1.48		₩.	(<u>Jp</u>)	100 Servings
24.00	9 gal	1.11	0.00 0.00 57	, , , , , , , , , , , , , , , , , , ,	\+0-gal Kettle	120.00	(Tb)	1
₩. ₩.	15 gal	1.85	0.15	15.73 25.73 25.73	\\o-gal Kettle	200.00	(ш)	500 Servings
64.00	24 gal	2.96	1.04 0.24 1.52	15.33 24.33 38.33	^l +O-gal Kettle	320.00	(Ib)	800 Servings
	Measuring stick	Oven	POC	Kettle Whip		Deep Fryer	<u>Utensils</u>	

FSC Group 89 Subsistence Catalog (08900-SI) 1 Jan 77

^{**} Special Purchase

OPERATIONAL GUIDE FOR PEPPER STEAKS L-13 INSTRUCTIONS

		ieck o <u>i</u> nts	Time (Minutes
0-	Verify components, ingredients and spices as to number and amounts received from Prep. Area.		10
∞-	Deliver Swiss steaks to continuous fryer. Remaining ingredients to kettle area.		
1-	Pass Swiss steaks thru preheated (375°F) continuous fryer. When steaks are discharged from fryer shingle (overlap) in deep baking pans. Hold for step 2 below.		30
2-	Combine water, tomato paste, soy sauce, salt, pepper, starch, and monosodium glutamate in kettle; mix well; crush all lumps. With constant stirring (agitation) cook until thickened (180°F) for 20 minutes. Pour		20
	equal amounts of sauce over steaks (step 2) in baking pans. Cover pans and bake in preheated (325°F)		90
	oven for 1-½ hours or until steaks are tender. Remove steaks from oven, uncover and shingle 10 steaks in each half size steam table aluminum pan. Reserve drippings and liquid for step 3.		15
3 -	Scrap drippings into kettle and raise level (volume) of product with water to required number of gallons using measuring stick.		10
1.	(a) Transfer gravy to filling machine.		10
	(b) Cover panned steaks (step 2) with 2.5 1b of gravy.		10
4-	Top (spread over) gravy steaks 3/4 pound of chopped green peppers.		15
5-	Pass filled pans thru lidding machine to cover and close		10
6-	Pass covered pans thru labelling machine. Labels should read:		10
	Pepper Steaks Net Wt: Date Prepared: Servings: 10 of 1 steak and ½ cup gravy	•	
	Pogonstitution Instructions:		

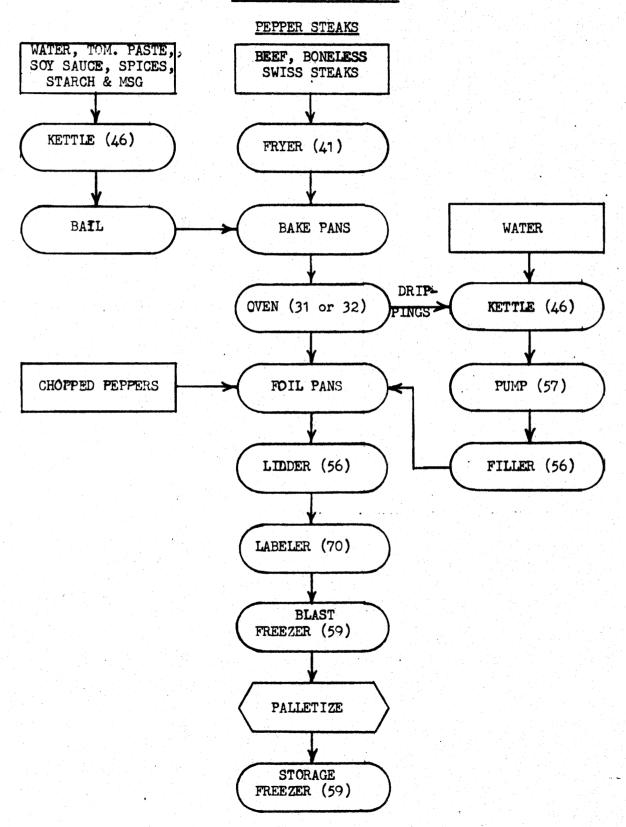
Reconstitution Instructions:
Heat covered pans in preheated 325°F ovens to internal temperature of 165°F.
Convection Oven - 1 hour 15 minutes
Conventional (ordinary) ovens-1 hour 30 minutes

Prepare items for transportation in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid:

800 Label Instructions for Servings Polyethylene Bag or Box (1bs)	320.00 (16 bags Boneless beef for pepper 20.00 lbs) steaks	20.00 lbs	7.52 Tomato paste, soy sauce, 4.96 salt, pepper, sugar, 2.00 (3 bags monosodium glutamate and 1.04 16.08 lbs) starch for pepper steaks 0.24 1.52 2.96 ** lbs	64.00 (4 bags Peppers for pepper steaks 16.00 lbs) * lbs
500 Servings Serv (1bs)	200.00 (10 bags 320. 20.00 lbs)	Bag size = 15" X 29-1/2"	9.70 15.60 1.25 (2 bags 1.65 15.08 lbs) 1.65 15.08 lbs) 1.04 1.65 1.85 1.85 1.85 1.52	40.00 (2 bags 20.00 lbs) Bag size = 15" X 29-1/2"
300 Servings (1bs)	120.00 (6 bags 20.00 lbs)		5.82 9.36 0.75 (1 bag 0.39 18.09 1bs) 0.57 1.11	24.00 (2 bags 12.00 lbs)
Ingredients	Beef, boneless, swiss steak (1 steak/serving)		Tomato paste, canned Soy sauce Salt, table Sugar Pepper, black Monosodium glutamate Col-Flo 67, starch	Peppers, green, fresh, chopped, 1/2 X 1/2 inch

EQUIPMENT UTILIZATION



OPERATIONAL GUIDE FOR SALISBURY STEAK WITH BROWN GRAVY 1-37

ω					P	Steps	Controlling Equip: Container Net Wt:
Water	Flour, wheat	Beef, ground Gravy	Pepper, black Salt, table Worcestershire sauce	chopped Eggs, whole, beaten	Nonfat Dry milk Water, tap Bread, crumbs	Ingredients	ng Fquip: Mixer & Oven Net Wt: 51b
	8300 SP** 111440 14700 15480	310	15480 15850 16030	5290 2620	3050 6980	*Index	
To make 3 gal	0.023.0.0 0.025.5 0.02	30.00	0.02 0.37 0.19	0.37 1.00	### ### ###	100 Servings (1b)	Standard Servings:
To make 9 gal	00000 00000000000000000000000000000000	90.00 40-gal Kettl	0.06 0.57	3.81 3.81	1.23 12.93 1.32	300 Servings OVEN (1b)	10 of group
To make 15 gal	0.077777	150.00 e.40-gal Kett	0.95	5.85 00	2.05 21.55 7.20	500 Servings OVEN (1b)	1 steak & gravy
To make 21 gal	162.3 0.65.0 0.078.0 0.078.0 0.078.0	210.00 tle 40-gal Kettle	0,14 2,59 1,33	2.59 7.00	2.87 30.17 10.08	700 Servings OVEN (1b)	Est. Prep Tim Approx. Yield
Measuring stick	Kettle Whip	<u>l</u> e	Patty machine Baking pans	Mixer	Pot Whip Pot strainer	<u>Utensils</u>	Est. Prep Time: 4.1 hours Approx. Yield: 300, 500, & 700 servings

FSC Group 89 Subsistence Catalogue 1 Jan 77 (C8900-SL)

^{**} Special Purchase

OPERATIONAL GUIDE FOR SALISBURY STEAKS

WITH BROWN GRAVY L-37 PREPARATION AREA

SALISBURY STEAKS (6 oz each)

- 1- Salisbury Steaks shall be prepared from components, ground beef and spices as listed in step 1 of Ingredients and Batch Size Operational Guide for Salisbury Steaks with Brown Gravy.
 - (a) Reconstitute the non-fat dry milk with water and blend in bread crumbs.
 - (b) Rehydrate (soak) dried chopped onions in an excess amount of water (10 minutes). Strain onions to remove excess water.
 - (c) Place ground beef in meat mixer, add strained onions, milk mixture, eggs, pepper, salt, and worcestershire sauce; mix lightly but thoroughly.
 - (d) Pass ground beef mixture thru patty forming machine to produce 3/4-inch thick, oval shape patties weighing 6 oz.
 - (e) Place oval patties on lightly greased baking sheet pans which fit ovens located in Central Kitchen area.
 - (f) Keep patties refrigerated until transferred to Central Kitchen.

OPERATIONAL GUIDE FOR SALISBURY STEAKS WITH BROWN GRAVY L-37 INSTRUCTIONS

		Check Points	Time (<u>Minutes</u>)
O -	Verify components, (including panned Salisbury steaks) ingredients and spices as to number and amounts received from Prep. Area.	and the second s	
∞-	Deliver Salisbury steaks to oven area, all remaining ingredients to kettle area.		10
1-	Place panned Salisbury steaks in preheated 325°F oven, bake to internal temperature of 165°F (about 1 hour baking). Remove from oven; cool and hold for step 5 below.		70
2-	Mix all dry ingredients, flour, starch S & G base and spices in kettle. Add water slowly while stirring vigorously; crush all lumps. Turn on steam and heat for 20 minutes at 200°F. Turn off steam.		30
3-	Raise level of kettle (volume) to required number of gallons with warm water using measuring stick.		10
4-	Transfer gravy to filler.		10
5-	Place 10 steaks in half-size steam table pans, shingling a necessary. Cover steaks with 2.5 lb of brown gravy from filler.	S	30
6-	Pass pans of steak and gravy thru lidding machine to cover and close.		10
7-	Pass covered, closed pans thru labelling machine. Labels should read:		10
	Salisbury Steak w/Brown Gravy Net Wt: 5 lb (approx.) Date Prepared: Servings: 10 of 4 oz g		

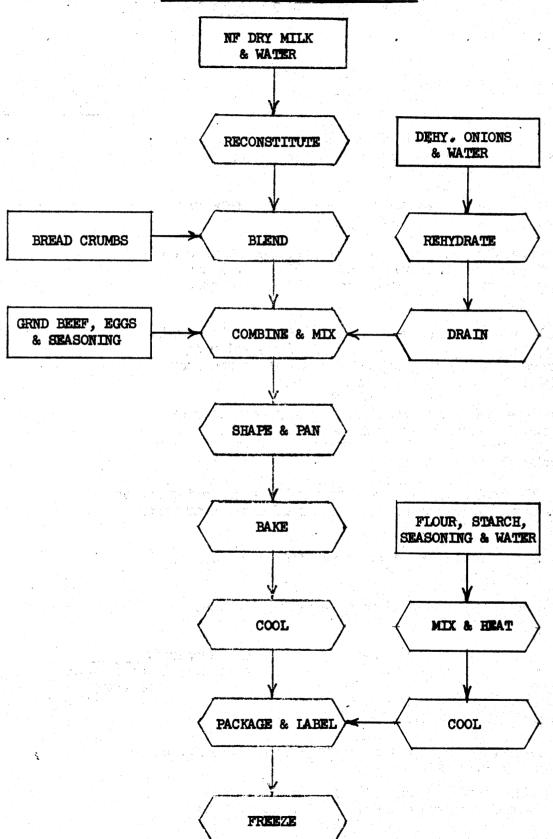
Reconstitution Instructions:

Heat covered pans in preheated $325^{\circ}\mathrm{F}$ ovens to internal temperature of $160^{\circ}\mathrm{F}$

Convection ovens: 1 hour 15 minutes Conventional (ordinary) ovens: 1 hour 30 minutes

126 MATERIAL FLOW

SALISBURY STEAK WITH BROWN GRAVY



Prepare items for transportation in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.

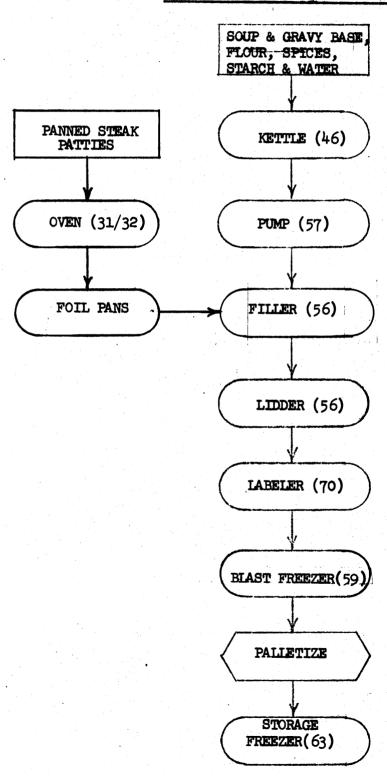
 Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to
- ? shipment, cover with plastic lid.

	Ingredients
	300 Servings (1bs)
	500 Servings (1bs)
•	700 Servings (1bs)
	Label Instructions for Polyethylene Bag or Box (if used)

preparation area operational guide. The salisbury steaks are to be prepared and panned in the preparation area in accordance with the

(Gravy) * 1bs		Bag size = 10" X 18"	
Soup & gravy base, garlic powder and pepper for salisbury steak with brown gravy	6.58 (1 bag 0.07 0.07 6.72 lbs)	2.82 (1 bag 4.70 (1 bag 0.03 0.05 0.05 0.05 4.80 1bs)	Soup & gravy base,beef Garlic powder Pepper, black
* lbs		Bag size = 10" X 18"	
Starch for salisbury steak with brown gravy	3.08 (1 bag 3.08 lbs)	1.32 (1 bag 1.32 lbs) 2.20 (1 bag 2.20 lbs)	Col-Flo 67 starch
* lbs ZZI		Bag size = 10" X 18"	
Flour for salisbury steak with brown gravy	3.08 (1 bag 3.08 1bs)	1.32 (1 bag 1.32 1bs) 2.20 (1 bag 2.20 1bs)	Flour, wheat
	•		GRAVY

EQUIPMENT UTILIZATION SALISBURY STEAK WITH BROWN GRAVY



** Special Purchase

Fed Supply Catalog 1 Jan 77 - Group 89 Subsistence (C8900-SL)

OPERATIONAL GUIDE FOR SALISBURY STEAK
WITH TOMATO GRAVY
INGREDIENTS & BATCH SIZE L-37 0-19

ps	100 Servings (1b) 0.41 3.75 1.50 30.00 0.38 1.03 0.02 0.38 0.03 0.03	Serving: 10 of 4 oz 300 Servings OVEN (1b) 1.23 11.25 4.50 90.00 1.14 3.09 0.06 1.14 0.57	10 of 1 steak & 4 oz gravy 4 oz gravy 500 Servings 0VEN (1b) 1.50.00 1.90 5.15 0.10 1.90 9 5.15 0.10	Fst. Prep Approx. Yi 700 Servings OVEN (1b) 26.25 10.50 210.00 2.66 7.21 0.14 2.66 1.33	Approx. Yield: 300, 500, & 700 Servings OVEN (Ib) 10.50 2.87 Pot, Whip 26.25 10.00 2.66 7.21 0.14 2.66 Baking pans 1.33
nopped	0001031.0 0002388555 1986555	010318855 318855 318855	15.75 7.57 1.98 1.98 1.98	26.2% 10.3% 10.3% 10.3% 10.3% 10.3% 10.3%	Pot, Whip Mixer Patty machine Baking pans
2 GRAVY Onions, dehydrated, chopped 5290 Shortening Flour, wheat Col-flo 67, starch Water, tap Tomato paste Soup & Gravy Base (Beef) 1140 15480 15480 15480	2024% 28824 0054 2004 0055 0000	0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.55	106.73 2.037	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	Kettle Whip
3 Water, tap	To make 4 gal	To make 12 gal	To make 20 gal	To make 28 gal	Measuring stick

OPERATIONAL GUIDE FOR SALISBURY STEAKS FOR TOMATO GRAVY L-37 PREPARATION AREA

SALISBURY STEAKS (6 oz each)

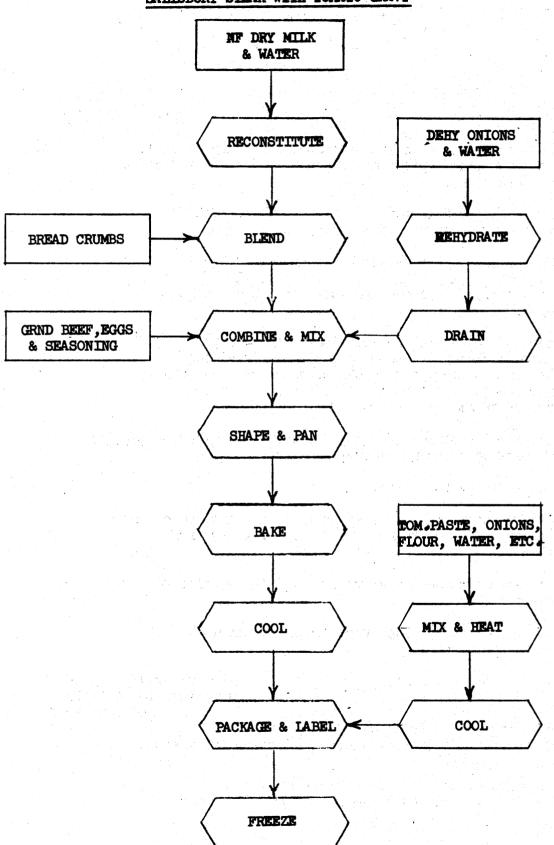
- 1- Salisbury steaks shall be prepared from components, ground beef and spices as listed in step 1 of Ingredients and Batch Size Operational Guide for Salisbury Steaks w/Tomato Sauce.
 - (a) Reconstitute non fat dry milk with water provided in meat mixer; add bread crumbs and onions; mix thoroughly. Add ground beef, eggs, salt, pepper, and Worcestershire sauce to milk, bread crumbs, and onion mixture; mix lightly but thoroughly.
 - (b) Pass ground beef mixture thru patty forming machine to produce a 3/4-inch-thick oval shaped patty weighing 6 oz.
 - (c) Place formed oval beef patties on lightly greased baking sheet pans which fit ovens located in Central Kitchen Area.
 - (d) Keep panned patties refrigerated until transferred to Central Kitchen.

OPERATIONAL GUIDE FOR SALISBURY STEAKS WITH TOMATO GRAVY L-37 O-19 INSTRUCTIONS

	Check <u>Points</u>	Time (Minutes
0-	Verify components (including panned Salisbury steaks), ingredients, and spices as to number and amounts received from Prep. Area.	
∞-	Deliver panned Salisbury steaks to oven area and all remaining ingredients (for gravy) to Kettle Area.	10
1-	Place panned Salisbury steaks in preheated 325°F oven; bake to an internal temperature of 165°F (about 1 hour baking). Remove from oven; cool; and hold for step 5.	70
2-	Combine flour and starch with part of water provided to make a slurry in steam kettle. Add remaining water, shortening, tomato paste, soup and gravy base; mix thoroughly, and heat at 200 F for 20 minutes. Turn off steam.	30
3-	Raise level (volume) of kettle to required number of gallons with warm water using measuring stick.	10
4-	Transfer gravy to filler.	10
5 -	Place 10 steaks in half-size steam table pans, shingling as necessary. Cover steaks with 2.5 lb of gravy from filler.	30
6-	Pass pans of steak and gravy thru lidding machine to cover and close.	10
7-	Pass closed covered pans thru labelling machine. Labels should read:	10
	Salisbury Steak w/Tomato Gravy Net Wt: 5 lb Reconstitution Instructions Heat covered pans in preheated 325°F ovens to internal temperature of 160°F. Date Prepared: Servings: 10 of 1 steak and 4 oz gravy	
	Convection ovens: 1 hour 15 minutes Conventional ovens (ordinary): 1 hour 30 minutes	

MATERIAL FLOW

SALISBURY STEAK WITH TOMATO GRAVY



GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - SALISBURY STEAK WITH TOWATO GRAYY

Prepare items for transportation in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid.

				: .
Ingredients	Servings (1bs)	Servings (1bs)	700 Servings (1bs)	Label Instructions for Polyethylene Bag or Box (if used)
Nonfat dry milk	1.23 (1 bag 1.23 lbs)	2.05 (1 bag 2.05 lbs) Bag size = 10" X 18"	2.87 (1 bag 2.87 lbs)	Milk for salisbury steaks * lbs
Bread crumbs, dry Unions, dehydrated, chopped	4.50 (1 bag 1.14 5.64 lbs)	7.50 (1 bag 1.90 (9.4 lbs) Bag size = 15" X 29-1/2"	10.50 (1 bag 2.66 13.16 1bs)	Bread crumbs and onions for salisbury steaks
Beef, ground	90.00 (3 bags 30.00 lbs)	150.00 (5 bags 30.00 lbs) Bag size = 15" X 29-1/2"	210.00 (7 bags 30.00 lbs)	Beef for salisbury steaks * lbs
Eggs, whole, beaten Pepper, black Salt, table Morcestershire sauce	3.09 (1 bag .06 1.14 4.86 lbs) .57	5.15 (1 bag .10 1.90 8.10 lbs) .95	7.21 (1 bag .14 2.66 11.34 lbs) 1.33	Eggs and spices for salisbury steaks
Onions, dehydrated, chopped .57 Shortening Tomato paste 6.45 Pepper, black .03 13 Soup and gravy base(beef) 1.50	ped .57 4.50 (1 bag 6.45 .03 13.05 lbs)) 1.50	.95 7.50 (2 bags 10.75 .05 10.88 lbs) 2.50 Bag size = 15" X 29-1/2"	1.33 10.50 (2 bags 15.05 .07 15.23 lbs) 2.8	Onions, shortening, tomato paste and spices for salisbury steaks (gravy)

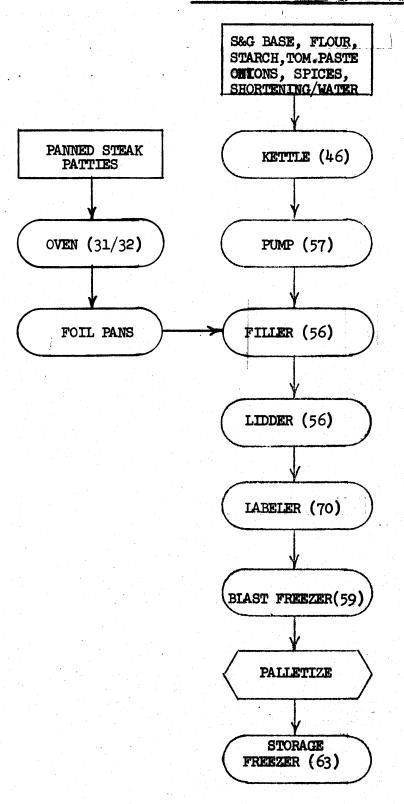
GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - SALISBURY STEAK WITH TOMATO GRAVY (Cont'd)

Label Instructions for Polyethylene Bag or Box (if used)	Flour and starch for salisbury steak (gravy)
700 Servings (1bs)	7.00 (1 bag 3.50 10.50 lbs)
500 Servings (1bs)	5.00 (1 bag 2.50 7.50 lbs) Bag size = 15" X 29-1/2"
300 Servings (1bs)	3.00 (1 bag 1.50 4.50 lbs)
Myredients	Flour, wheat Col-Flo 57 starch

*Appropriate weight to be written is dependent on number of servings.

EQUIPMENT UTILIZATION

SALISBURY STEAK WITH TOMATO GRAVY



OPERATIONAL GUIDE FOR SWISS STEAK WITH BROWN GRAVY L-16 INGREDIENTS & BATCH SIZE

Est. Prep Time: 4.3 hours Approx. Yield: 300, 500, & 1000 servings		Breader	Fryer	w/covers Pot	Whip	Oven	Kettle Whip		
	1000 Servings 80-gal Ket [19	360.00	22.00 0.20	t.30	0.10	143.60 2.70	2.70 16.40	210,00	To make 25.00 gal
10 of 1 steak & 1/3 cup of gravy	Servings 60-gal Kettle (41)		0.10	2.15	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	71.80	1.35 8.20	105.00	To make 12.5 gal.
	300 Servings HOrgal Kettle	108.00	900	1.29	0.000	13.08 0.81 0.81	0.81	63•00	To make 7.5 gal
Servings/Container:	100 Servings	36.00	2.20	0.43 0.43	0.01 0.02 0.19	14.36 0.27	0.27	21.00	To make 2.5 gal
	*Index	190	8300 15480	1,000 1,000	4700 15480 15850	06091	%*dS		
Controlling Equip: Ovens Container Wt:		Beef, Swiss Steaks	(100 steaks) <u>DREDGING MIXIURE</u> <u>Flour, wheat</u> <u>Pepper, black</u>	Salt, table TOPPING Onion, dehydrated, slic	Garlic powder, dry Pepper, black Salt, table, peef 15	Nater, hot Worcestershire sauce	GANT Gol-flo 67, starch Water, cold	Beef drippings (Step 3)	Water, tap
Controll: Containe:		steps 1		7			m		. †

^{*} FSC Group 89 Subsistence Catalog 1 Jan 77 (C8900-SL)

^{**} Special Purchase

OPERATIONAL GUIDE FOR SWISS STEAK WITH BROWN GRAVY L-16 INSTRUCTIONS

		Check <u>Points</u>	Time (Minutes)
O -	Verify components and ingredients as to number and amounts received from Prep. Area.		10
∞-	Deliver Swiss beef steaks and dredging mixture to breader. Spice and starch to Kettle Area.		
1-	Load breader with dredging mixture and run Swiss steaks thru breading machine continuing thru continuous fryer to brown steaks. (360°F for 3 minutes) As steaks come out of fryer, shingle 50 steaks in each roasting pans.		20
2-	Combine dehydrated onions, garlic powder, black pepper, soup and gravy base, Worcestershire sauce with water; mix thoroughly. Use equal amounts of mixture to top each roasting pan of shingled Swiss steak.		150
	(a) Cover pans and heat in 325° F oven until steaks are tender. (approx. $2-\frac{1}{2}$ hours)		
	(b) When steaks are tender, remove from oven and shingle 10 steaks in each half-size steam table pan. Hold for Step 5. Retain beef drippings for Step 3.		
3 -	Mix Col-flo 67 starch with tap water in kettle; mix well. Add beef drippings to starch solution in steam kettle (or pot) and heat to a boil; reduce heat and simmer approximately 20 minutes.		20
) -	Raise level (volume) of product in kettle using measuring stick to required number of gallons with hot water.		25
5 -	Add 2 pounds of gravy to each half-size steam table pan of 10 steaks (Step 2(b)).		10
6 -	Pass pans thru lidding machine to cover and close.		10

Check Points Time (Minutes)

7- Pass pans thru labelling machine. Labels should read:

LO

Swiss Steaks w/Brown Gravy Net Wt:

Date Prepared:

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Servings: 10 of 1 steak & 1/3 cup

gravy

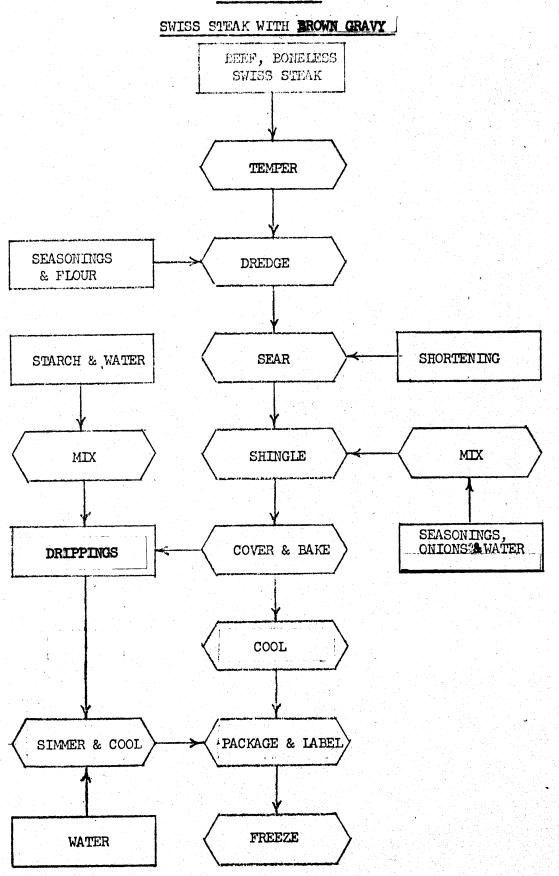
Reconstitution Instructions:

Heat covered pans in 325°F preheated ovens to internal temperature 160°F.

Convection oven: 1 hour 15 minutes

Conventional (ordinary) ovens: 1 hour 30 minutes

MATERIAL FLOW



Prepare items for transportation in one of the following manners:

- Secure all bags with plastic or Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic o wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. 2

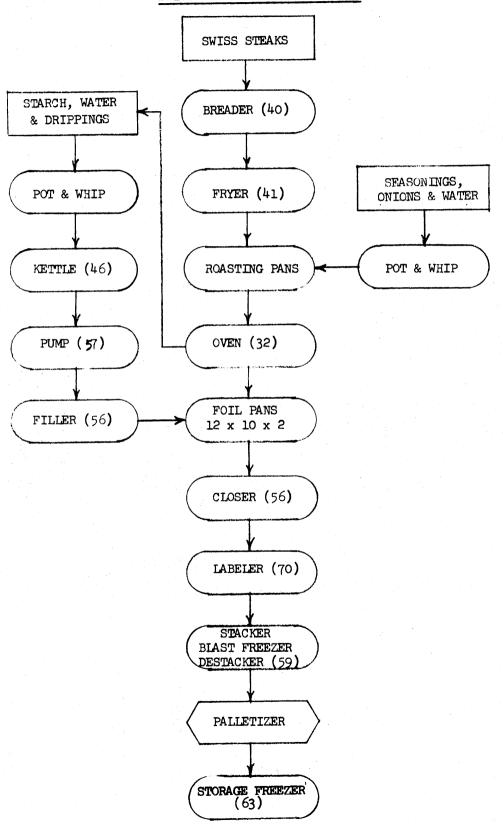
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Label Instructions for Polyethylene Bag or Box (if used)	Beef for swiss steak with brown gravy * 1bs	Flour, pepper and salt for swiss steak with brown gravy (Dredging Mixture)	Onions, garlic powder, pepper, salt, soup and gravy base and worcestershire sauce for swiss steak with brown gravy (Topping)	Starch for swiss steak with brown gravy(Gravy)
1000 Servings (1bs)	360.00 (12 bags 30.00 lbs)	22.00 (1 bag 0.20 24.00 lbs) 1.00	4.30 .10 .20 (1 bag 1.90 11.40 lbs) 2.20 2.70	2.70 (1 bag 2.70 lbs)
500 Servings (1bs)	180.00 (6 bags 30.00 lbs) Bag size = 15" X 29-1/2"	11.00 (1 bag .10 12.00 1bs) .90 Bag size = 15" X 29-1/2"	2.15 .05 .10 (1 bag .95 5.70 lbs) 1.10 1.35 Bag size = 15" X 29-1/2"	1.35 (1 bag 1.35 lbs) Bag size = 10" X 18"
300 Servings (1bs)	108.00 (4 bags 27.00 lbs)	6.60 (1 bag 0.06 7.20 lbs) 0.54	1.29 0.03 0.06 (1 bag 0.57 3.42 lbs) 0.66 0.81	0.81 (1 bag 0.81 lbs)
Ingredients	Beef, swiss steak DREDGING MIXTURE	Flour, wheat Pepper, black Salt, table TOPPING	Onion, dehydrated,sliced Garlic powder, dry Pepper, black Salt, table Soup & gravy base Worcestershire sauce	GRAVY Col-Flo 67 starch

*Appropriate weight to be written is dependent on number of servings.

EQUIPMENT UTILIZATION

SWISS STEAK WITH BROWN GRAVY



2

Worcestershire sauce

16030

Oven

Steps

Controlling Equip: Oven Container Wt: Peppers, sweet, fresh, green, chopped
Water, hot
Garlic powder, dry
Pepper, black
Salt, table Pepper, black Salt, table Beef, Bnls, Swiss Steaks (1 steak per serving) Crushed carmed, Copping nion, dehydrated, sliced 5310 Lour <u>Dredging Mixture</u> Ingredients *Index 15850 15580 9420 No. 5690 190 OPERATIONAL GUIDE FOR SWISS STEAK Servings/Container: 10 of 1 steak & 1/3 cup of gravy Servings WITH TOMATO SAUCE L-16 INGREDIENTS & BATCH SIZE 13.23 0.42 00012 (dT) 18 36.88 8 0.43 0.02 122 228 108,00 300 Servings 39.69 1.26 NEW 1.29 000 288 (dT) OVEN (1b) Servings 66.15 2.10 180.00 35000 38227 88227 0.00 8 2.15 1000 Servings OVEN (1b) 132.30 143.60 0.10 0.30 0.30 360.00 10 888 888 +.30 Est. Prep Time: Approx. Yield: Fryer Roasting Pans Pot & Whip Breader 5.25 hours 300, 500, & 1000 servings Utensils

#		بر س	Steps
Water	Water, cold Col-flo 67, starch Beef drippings & water	Sauce	<u>Ingredients</u>
	29 **		*Index No.
To make 2.5 gal	1.64 0.29 21.00		100 Servings (1b)
To make 7.5 gal	4.92 0.87 63.00	¹ +O-gal <u>Kett1e</u>	300 Servings OVEN (1b)
To make 12.5 gal	8.20. 1.45 105.00	40-gal Kettle	500 Servings OVEN (1b)
To make 25.00 gal	16.40 2.90 210.00	40-gal Kettle	1000 Servings OVEN
Measuring stick	Kettle and Whip		<u>Utensils</u>

* FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 77

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OPERATIONAL GUIDE FOR SWISS STEAK WITH TOMATO SAUCE L-16 INSTRUCTIONS

		Check Points	Time (Minutes)
0-	Verify components and ingredients as to number and amounts received from Prep. Area.	<u> </u>	10
∞-	Deliver Swiss beef steaks and dredging mixture to breader. Spice and starch to Kettle Area.		
1-	Load breader with dredging mixture and run Swiss steaks thru breading machine continuing thru continuous fryer to brown steaks. As steaks come out of fryer, shingle 50 steaks into each roasting pan.		20
	pati.		20
2-	Combine crushed tomatoes, dehydrated onions, garlic powder, black pepper, sweet green peppers, salt, Worcestershire sauce with water; mix thoroughly. Use equal amounts of mixture to top each roasting		150
	pan of shingled Swiss steak.		150
7 7 9 00 00	(a) Cover pans and heat in 325° F oven until steaks are tender. (Approximately $2-\frac{1}{2}$ hours)		
	(b) When steaks are tender remove from oven and shingle 10 steaks into each half-size steam table pan. Retain beef drippings for Step 3.		20
3 -	Mix Col-flo 67 starch with tap water in kettle; mix well. Add beef drippings to starch solution in steam kettle (or pot) and heat to a boil; reduce heat and simmer approximately 20 minutes.		
у+~	Raise level (volume) of product in kettle with hot water using measuring stick to required number of gallons. Mix thoroughly; shut off steam.		25
5-	Add 2 pounds of gravy to each half-size steam table pan of 10 steaks (Step 2(b)).		10
6-	Pass pans thru lidding machine to cover and close.		10

Check Points Time (Minutes)

7- Pass pans thru labelling machine. Labels should read:

Swiss Steaks w/Tomato Sauce Net Wt: Date Prepared:

Servings: 10 of 1 steak &

1/3 cup tomato sauce

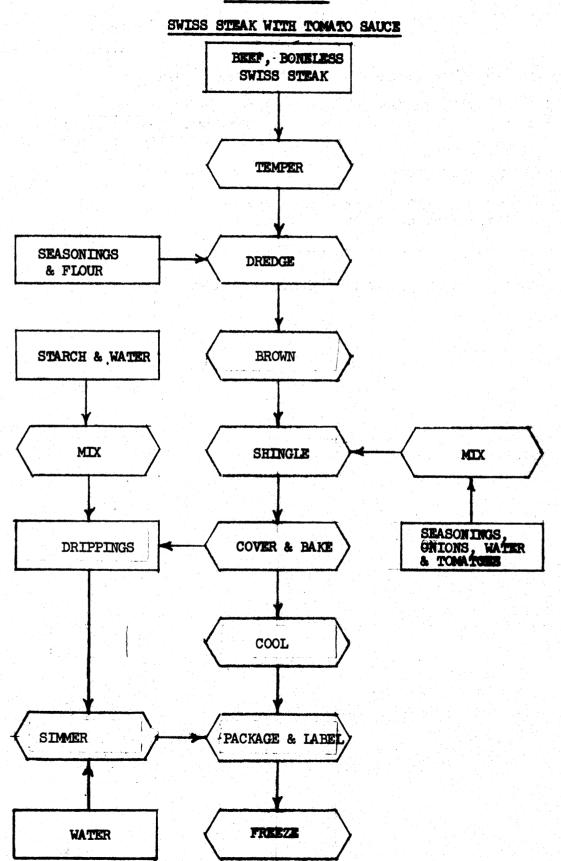
Reconstitution Instructions:

Heat covered pans in 325°F preheated ovens to internal temperature of 160°F.

Convection oven: 1 hour 15 minutes

Conventional (ordinary) ovens: 1 hour 30 minutes

MATERIAL FLOW



Prepare items for transportation in one of the following manners:

Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.

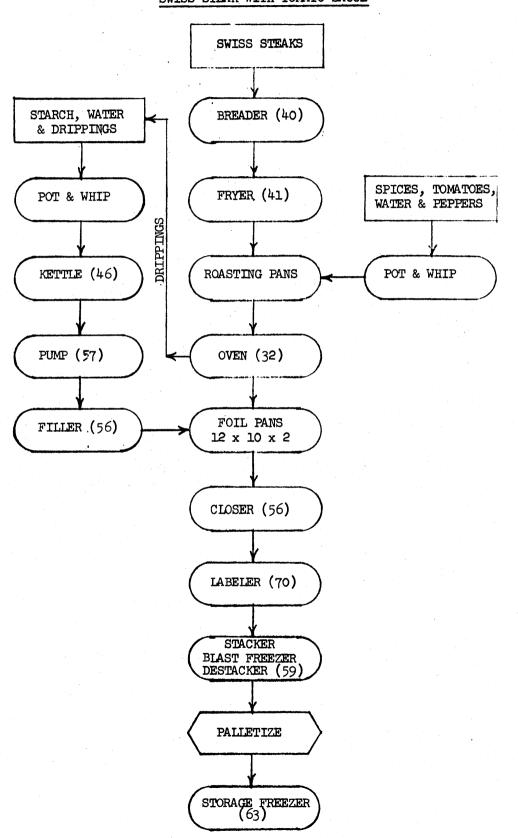
Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. 2 þ

	(22) 00 001		Occident and Joseph
steaks (100 steaks)	105.00 (4 pags 27.00 lbs)	180.00 (e bays 30.00 1bs) 30.00 1bs) 30.00 1bs)	with tomato sauce * 15c
DREDGING MIXTURE			•
Flour Pepper, black	6.60 (1 bag .06. 7,20 lbs)	11.00 (1 bag 22.00 (1 bag .10 12.00 1bs)	
	.54		tomato sa (Dredging
TOPPING		bag s1ze = 15" X 29-1/2"	80
Tomatoes, canned, crushed	39.69 (2 bags 19.85 lbs)	66.15 (3 bags 132.30 (6 bags 22.05 lbs)	Tomatoes for swiss steak with tomato sauce
SNIGOT		Bag size = 15" X 29-1/2"	sdl *
Onions, dehydrated,sliced	1.29	2.15	Onions, peppers, garlic
Peppers, sweet, fresh, green, chopped	0.09		powder, pepper, salt and worcestershire sauce for
Garlic powder, dry	0.03 (1 bag	0.05 (1 bag 0.10 (1 bag 0.05 14 50 1bs)	·
Salt, table	0.09		
Morcestershire sauce	1.26	2.10 Baq size = 15" X 29-1/2"	* lbs

VISION 1	ctions for Bag or Box used)	used with w/tomato)
(Cont'd) RE	Label Instructions for Polyethylene Bag or Box (if used)	Starch to be used with swiss steaks w/tomato sauce (Sauce)
TEAK WITH TOMATO SAUCE	Servings (1bs)	2.90 (1 bag 2.90 lbs)
JIENTS PREPARATION - SWISS STEAK WITH TOMATO SAUCE (Cont'd) REVISION	Servings (1bs)	1.45 (1 bag 1.45 lbs) Bag size = 8" X 10"
GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENT	300 Servings (1bs)	0.87 (1 bag 0.87 lbs)
GENERAL PACKAGING IN	<u>Ingredients</u> SAUCE	Col-Flo 67 starch

*Appropriate weight to be written is dependent on number of servings.

149
EQUIPMENT UTILIZATION
SWISS STEAK WITH TOMATO SAUCE



OPERATIONAL GUIDE FOR BAKED FISH
WITH CHEESE SAUCE L-106 and 0-16(2)
INGREDIENTS AND BATCH SIZE

w			N	Ή	Steps	Controlling H Container Wt:
Water	Cheese, cheddar, white ground or shredded	Margarine or butter Flour, wheat Col-flo 67 starch Milk, nonfat, dry Water, tap Salt, table	Cheese Sauce	Fish, perch, fillets Margarine or butter Lemon juice Paprika, ground	<u>Ingredients</u>	Controlling Equip: Ovens, Kettles Container Wt:
	e 2430	2360 or 13980 8300 SP** 3050 15850		ts 1320 r 2360 or 13980 r 1960 15440	*Index	tles
To make 2.75 gal	3.00	0.17 0.17 0.08		.0.550 1.50	100 Servings OVEN	Servings/Container:
To make 8.25 gal	9.00	\$817788 °4.2°5° °4.2°5°		1.50 1.50 1.50	300 Servings OVEN (1b)	iner: 10 of 2 pcs. f
To make 13.75 gal	15.00	88%%85 07.00.70		160.00 7.50 2.50 30	500 Servings OVEN (1b)	pcs. fish sauce
To make 1 22.00 gal	24.00	13.60 13.60 13.60 8.00		256.00 12.00 1.00 1.00	800 Servings OVEN	Est. Prep Time: 4 hours Approx. Yield: 300, 500, & 800 servings
	Measuring stick	Kettle or pot	•	Baking sheets Oven	Utensils	: 4 hours 300, 500, & 800 servings

FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 77

^{**} Special Purchase

OPERATIONAL GUIDE FOR BAKED FISH WITH CHEESE SAUCE L-106 and 0-16(2) INSTRUCTIONS

		Check Points	Time (Minutes
0-	Verify components, ingredients and spices as to number and amounts received from Prep. Area.		
∞-	Deliver fish, margarine, lemon juice, and paprika to oven area. Remaining ingredients which also include margarine to the kettle area.		10
1-	Grease sheet pans, using some of margarine listed in Step 1 of formula. Place single layers of fish fillets on greased sheet pans; do not crows or shingle fish.		25
	(a) Melt remaining margarine and combine with lemon juice. Pour lemon mixture evenly on fish fillets. Sprinkle paprika over lemoned fish. Bake in preheated 350 F oven until golden brown, about 20 minutes. CAUTION: DO NOT OVERBAKE. Overbaking causes fish to break and flake and is difficult to handle. Place 20 pieces of cooked fish (10 pieces to a layer) in each half-size steam table pan. Hold for Step 6 below.		30
2-	Cheese Sauce		
	(a) Melt margarine in kettle; sprinkle in flour, mixing thoroughly; continue to mix while cooking for 10 minutes. Hold for starch and milk mixture. Shut off steam.		15
	(b) Combine starch (Col-flo 67) nonfat dry milk, salt, and water in a separate kettle; mix well; continue mixing and heat to 180°F. Shut off steam. Transfer and slowly add this starch-milk mixture to other kettle of flour and margarine mixture; turn on steam, stirring constantly. Add shredded cheese to mixture in kettle mixing thoroughly until cheese is melted and blended with the flour-starch.		30
3 -	Raise level (volume) of the product in kettle with hot water to required number of gallons using measuring stick; mix well. Shut off steam.		10

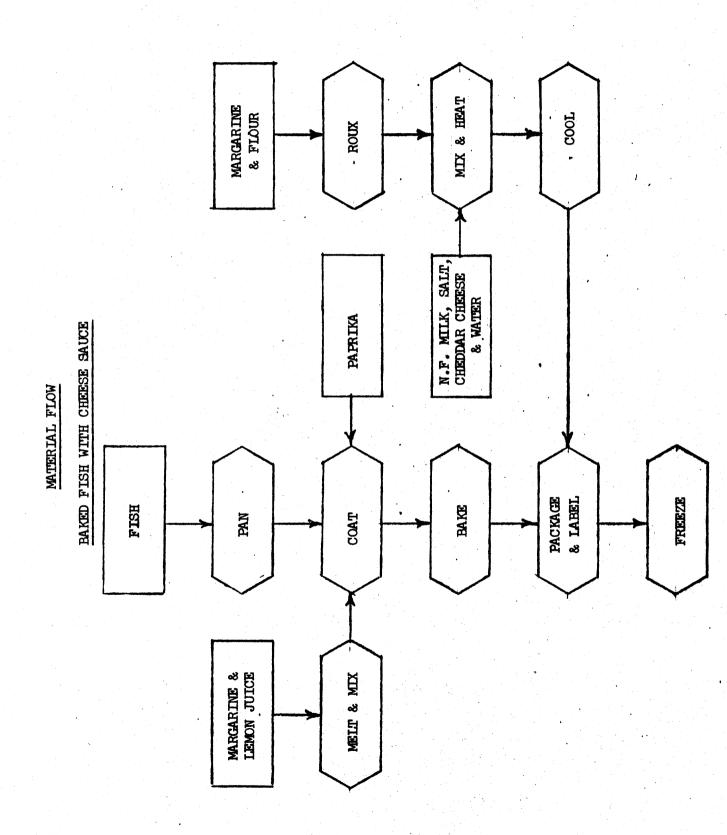
	en e	Check Points	Time (<u>Minutes)</u>
4-	Transfer sauce to filler.		10
5-	Fill each half-size steam table pan with 2 pounds of sauce.		10
6-	Pass filled pans thru lidding machine to cover and close.		10
7-	Pass covered pans thru labelling machine. Labels should read:		10
	Baked Fish w/Cheese Sauce Net Wt: Date Prepared: Servings: 10 of 2 pie of fish and 3 oz sauce		

Reconstitution Instructions:

Heat covered pans in 325°F. preheated ovens to an internal temperature of 160°F.

Convection ovens: 1 hour 15 minutes

Conventional (ordinary) ovens: 1 hour 30 minutes



Prepare items for transportation in one of the following manners:

Secure all bags with plastic or Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic o wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.

Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid.

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<u>Ingredients</u>	Servings (1bs)		800 Servings (1bs)	Label Instructions for Polyethylene Bag or Box (if used)
	90.00 (e 5ags 16.00 lbs)	lou.us (10 bags 16.00 lbs) Bag size = 15" X 29-1/2"	250.00 (16 pdgs 16.00 lbs	cheese sauce
	4.50 (1 bag 4.50 lbs)	7.50 (1 bag 7.50 lbs) Bag size = 10" X 18"	12.00 (2 bags 6.00 lbs)	Margarine or butter for baked fish w/cheese sauce
	1.50 (1 bag 1.50 lbs)	2.50 (1 bag 2.50 lbs) Bag size = 10" X 18"	4.00 (1 bag 4.00 lbs)	Lemon juice for baked fish w/cheese sauce
	0.18 (1 bag 0.18 lbs)	0.30 (1 bag 0.30 lbs) Bag size = 8" X 10"	0.48 (1 bag 0.48 lbs)	Paprika for baked fish with cheese sauce * lbs
	6.00 (1 bag 6.00 lbs)	10.00 (1 bag 10.00 1bs) Bag size = 15" X 29-1/2"	16.00 (1 bag 16.00 lbs)	Margarine or butter for baked fish w/cheese sauce (cheese sauce)
	3.00 (1 bag 3.00 lbs)	5.00 (1 bag 5.00 lbs) Bag size = 10" X 18"	8.00 (1 bag 8.00 lbs)	Flour for baked fish with cheese sauce (cheese sauc

*Appropriate weight to be written is dependent on number of servings.

* lbs

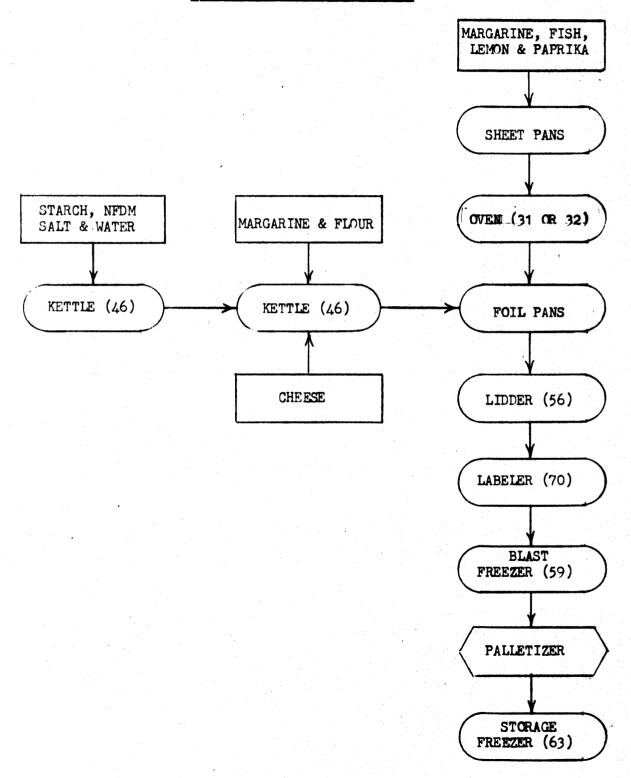
GEMERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - BAKED FISH WITH CHEESE SAUCE (Cont'd)

Ingredients	300	500	800	Label Instructions for
	Servings	Servings	Servings	Polyethylene Bag or Box
	(1bs)	(1bs)	(1bs)	(if used)
Cheese Sauce (Cont'd)				
Col-Flo 67 starch	0.51 (1 bag	0.85 (1 bag	1.36 (1 bag	Starch, milk and salt
Milk, nonfat, dry	5.10	8.50	13.60	for baked fish with
Salt, table	0.24 5.85 lbs)	0.40 9.75 lbs)	0.64 15.60 lbs)	cheese sauce (cheese
Cheese, cheddar, white, ground or shredded	9.00 (1 bag 9.00 lbs)	15.00 (1 bag 15.00 lbs) Bag size = 15" X 29-1/2"	24.00 (2 bags 12.00 lbs)	Cheddar cheese for baked fish w/cheese sauce (cheese sauce)

*Appropriate weight to be written is dependent on number of servings.

EQUIPMENT UTILIZATION

BAKED FISH WITH CHEESE SAUCE



OPERATIONAL GUIDE FOR SALMON CAKES L-114
INGREDIENTS & BATCH SIZE

+	ω	er ver			•			Ŋ	Н	Steps	Controll Contains
Flour, wheat	Eggs, whole beaten	Salt, table Pepper, black	Instant Milk, nonfat, dry	Potatoes, white,	unions, dehydrated, chopped	Margarine or butter	Liquids (Salmon juice and water)	Potato Mixture	Salmon, canned	<u>Ingredients</u>	Controlling Equip: Mixers Container Net Wt:
8300	2620	15850 15480	6080 3050		5290	2350			1650	*Index	
1.00	2.00	0.03	0. 1 .8		0.09	0.00	70 F0		20.00	100 Servings (1h)	Standard Serving:
3.00	6.00	0.18	0.60		0.27	1.50	건 			300 Servings (1b)	10 0
5.00	10.00	0.30	20.80 1.80		0.45	2.50	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		100.00	500 Secuings (15)	10 of 2 Cakes
6.00	12.00	0.36	24.00 1.20		0.54	 8	63.00		120.00	600 Servings (1b)	Est. Prep. Tin Approx. Yield:
Breader-Fryer	Meat Mixer Baking sheets		Pot & Whip Mixer (Stand-up)				Kettle	(Knives, Forks Meat Lugs	Utensils	Est. Prep. Time: 4.4 hours Approx. Yield: 300, 500, & 600 servings

^{*} FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 1977

OPERATIONAL GUIDE FOR SALMON CAKES L-114

PREPARATION AREA

		Check <u>Points</u>	Time (Minutes)
	Salmon Cakes (2.5 oz each)		
	Salmon cakes shall be prepared from components, ingredients, and spices listed in Steps 1, 2, and 3 of "Ingredients and Batch Size, Operational Guide". Margarine can be substituted for Butter.		
1-	Remove salmon from cans; drain; save juices for Step 2 below. Remove skin and bones from salmon and flake. Hold fish for Step 3 below.		20
2-	Combine liquids (salmon juice and water) with butter (margarine), and onions in kettle; heat to a boil. Shut off steam.		10
	(a) Combine instant potatoes, nonfat dry milk, pepper, and salt in a pot; mix well.		10
	(b) Transfer hot liquid-onion mixture to mixer (Hobart type) and add potato mixture rapidly while mixing; whip until smooth. Remove from mixer and cool. (Lukewarm, so as not to cook eggs.)		15
3-	Transfer whipped potato mixture (Step 2b) to meat mixer; add salmon (Step 1), eggs; mix thoroughly. Remove from mixer; place in meat lugs; keep amounts to no more than 4-6 inches deep to allow for rapid chilling. The salmon potato mixture must be chilled to about 35°F to allow for easy patty forming and handling.		100
	(a) When the salmon-potato mixture has reached the required chilled temperature, the mixture shall be formed into patties of 2.5 oz each on the patty-making machine. The patties shall be placed on baking sheets and transferred to Central Kitchen. Keep refrigerated at all times. Patties must be delivered to central kitchen well chilled for easy handling prior to frying.		30

OPERATIONAL GUIDE FOR SALMON CAKES L-1114 CENTRAL KITCHEN

		Check <u>Points</u>	Time (Minutes)
Ŋ	NOTE: Salmon Cakes (patties) are made (Steps 1, 2, and 3) in the Preparation Area and shipped in chilled state to Central Kitchens.		
0-	Verify salmon patties and flour as to number and amounts received from Prep. Area.		
00-	Deliver patties and flour to Breader-Fryer Area.		10
1	Load breading machine with flour. Preheat continuous fryer to 375 F. Pass cakes thru breading machine to coat and then thru deep fat fryer for approximately 1 to 2 minutes until golden brown. Drain cakes prior to placing in half-size steam table aluminum pans.		30
5 -	Place 20 drained patties (cakes) in half-size steam table pans.		20
6-	Pass filled pans thru lidding machine to cover and close.		10
7-	Pass covered pans thru labelling machine. Labels should read:		10
	Salmon Cakes Net Wt: Date Prepared: Servings: 10 of 2 cakes		
	Reconstitution Instructions:		
	Place frozen patties (cakes) one layer deep on		

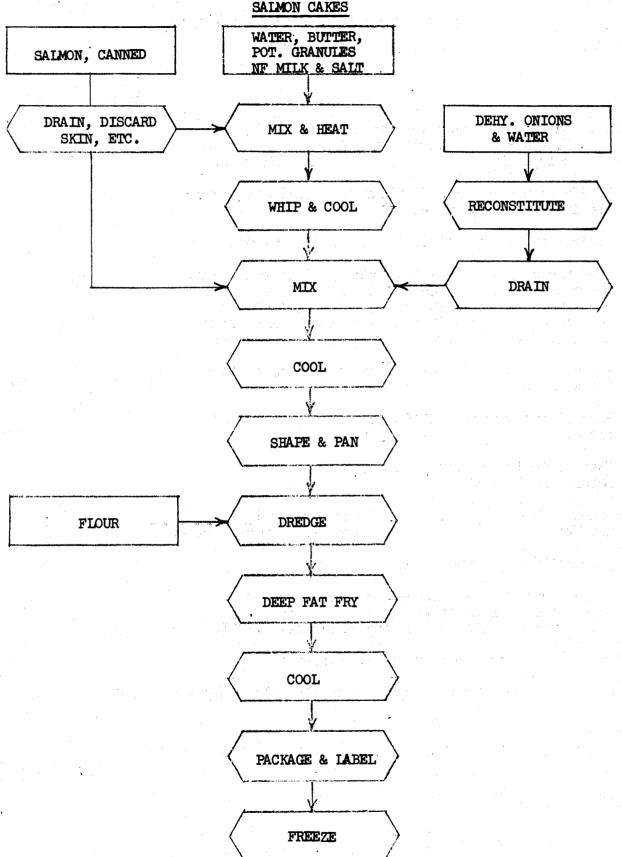
Place frozen patties (cakes) one layer deep on sheet pans. Reheat in preheated ovens 350°F until internal temperature reaches at least 160°F.

Convection ovens - approximately 10 minutes

Conventional (ordinary) ovens - approximately 15 minutes

MATERIAL FLOW

SALMON CAKES



Prepare items for transportation in one of the following manners:

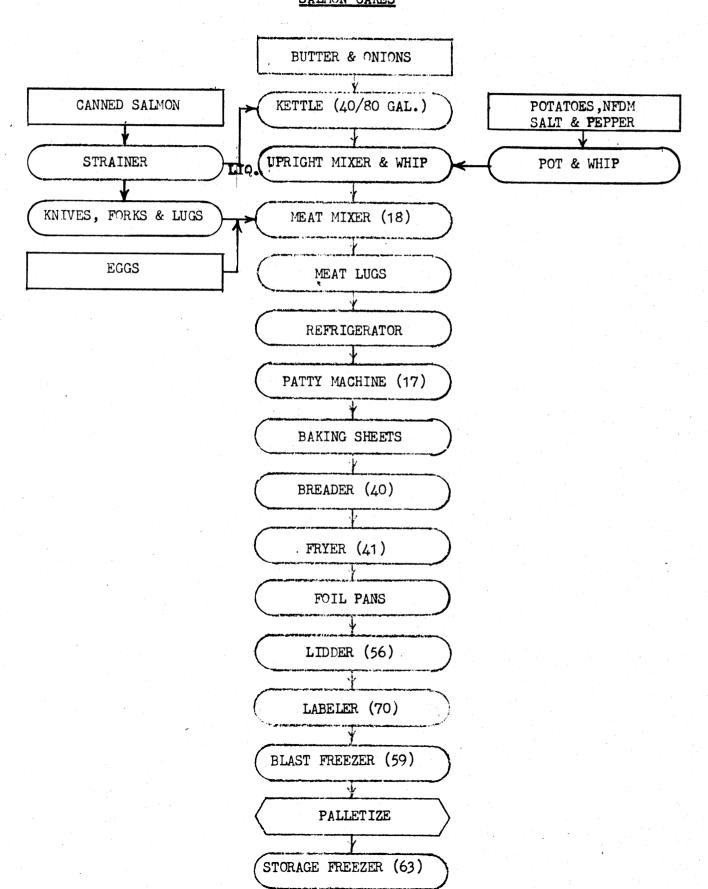
- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid.

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Label Instructions for Polyethylene Bag or Box (if used)	Salmon for salmon cakes * lbs	Juices for salmon cakes * lbs	Margarine or butter and onions for salmon cakes	Potatoes, milk, salt and pepper for salmon cakes	* lbs	Eggs for salmon cakes * lbs	Flour for salmon cakes * lbs
600 Servings (1bs)	120.00 (10 bags 12.00 lbs) 9-1/2"	63.00 (6 bags 10.50 lbs) 9-1/2"	3.00 (1 bag .54 3.54 lbs)	24.00 1.20 (2 bags	.36 12.87 1bs) .18 .1/2"	12.00 (1 bag 12.00 lbs) 9-1/2"	6.00 (1 bag 6.00 lbs) 8"
500 Servings (1bs)	100.00 (5 bags 20.00 lbs) Bag size = 15" X 29-1/2"	52.50 (5 bags 10.50 lbs) Bag size = 15" X 29-1/2".	2.50 (1 bag .45 2.95 lbs) Bag size = 10" X 18"	20.00 1.00 (2 bags	0.30 10.73 1bs) 0.15 Bag size = 15" X 29-1/2"	10.00 (1 bag 10.00 lbs) Bag size = 15" X 29-1/2"	5.00 (1 bag 5.00 lbs) Bag size = 10" X 18"
300 Servings (1bs)	60.00 (4 bags 15.00 lbs)	31.50 (1 bag 15.75 lbs)	1.50 (1 bag pped .27 1.77 lbs)	12.00 0.60 (1 bag	0.18 12.87 1bs) 0.09	6.00 (1 bag 6.00 lbs)	3.00 (1 bag 3.00 lbs)
Ingredients	Salmon, canned Potato Mixture	Salmon juíce	Margarine or butter Onions, dehydrated,chopped	Potatoes, white Milk, instant, nonfat,	ary Salt, table Pepper, black	Eggs, whole, beaten	Flour, wheat

*Appropriate weight to be written is dependent on number of servings.

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EQUIPMENT UTILIZATION
SALMON CAKES



OPERATIONAL GUIDE FOR SEA FOOD PLATTER L-108, 118(2) and 121(2)

N		Steps	Controll Containe
Shrimp, Frozen, Breaded	Fish Sticks, Frozen Breaded	Ingredients	Cortrolling Equip: Cortainer Net Wt:
ozen,	s, Frozen	<u>ients</u>	Continuous Fryer
1740	880-890-900	*Index	Fryer
		l ro	· (1) · (1)
12.0		100 Servings (1b)	INGREDIENTS & BATY Servings/Container
36. 00	45.00	300 Servings (Ib)	· H
60.00	75.00	500 800 Servings Servings (1b) (1b)	sh Sticks & rimp
%. 00	120.00	800 Servings	Est. Prep Time: Approx. Yield:
Baking sheets	Deep Fat Fryer Kraft Paper	Utensils	Est. Prep Time: 3 hours Approx. Yield: 300, 500, & 800 servings

FSC Group Subsistence Catalog (C8900-SL) 1 Jan 77

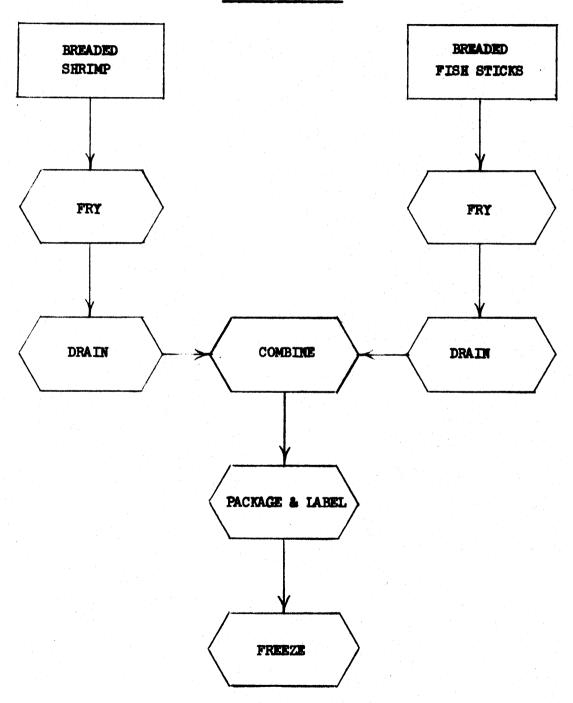
OPERATIONAL GUIDE FOR SEA FOOD PLATTER L-108, 118(2) and 121(2) INSTRUCTIONS

			Time [inutes]
NOTE	This guide is based on breaded fish products as purchased. Breaded scallops may be substituted for breaded shrimp.		
0-	Verify fish type components as to amounts and species received from Prep. Area.		10
∞-	Deliver all components to frying area.		10
1-	Pass breaded fish sticks thru preheated (365°F) continuous deep fat fryer for 2 to 3 minutes (internal temperature of 160°F) and golden brown. Place on baking sheets covered with kraft paper to drain and cool. Hold for step 3 below.		60
2-	Cook breaded shrimp in same manner as above. Should breaded scallops be substituted for breaded shrimp, they may be fried in same manner.		60
3-	Place 16 fried breaded fish sticks in one side of half-siz steam table pan and place 24 fried breaded shrimp on the other side.	e	20
¥-	Pass panned fried sea food thru lidding machine to cover and close.		10
5 -	Pass covered pans of fried sea food thru labelling machine. Labels should read:		10
	Fish Sticks and Shrimp (Fried) Date Prepared:or		
	Fish Sticks and Scallops (Fried) Net Wt: Servings: 8 of	2 Fish Sticks	

Servings: 8 of 2 Fish Sticks and 3 Shrimp or Scallops

MATERIAL FLOW

SEAFOOD PLATTER



SEAFOOD PLATTER GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION -

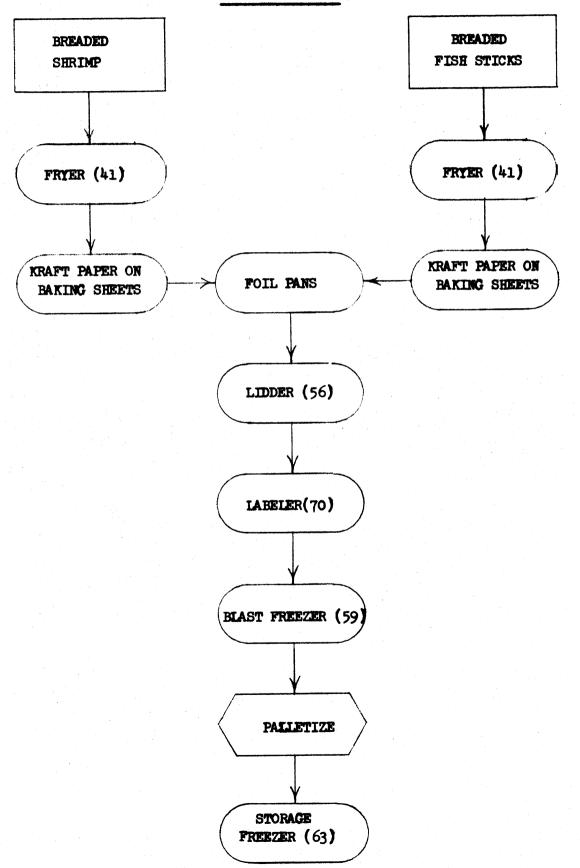
Prepare items for transportation in one of the following manners:

Secure all bags with plastic or Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with biastic o wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.

Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. o

ons for 19 or 30 x	. seafood	ps		. Sq
Label Instructions for Polyectylene Bag or Box (if used)	Fish sticks for seafood Dlatter	15.00 lbs	Shrimo for seafood olatter	12.00 lbs
800 Servings (1bs)	120.00 (8 bacs 15.00 lbs)	1/2"	96.00 (8 bags 12.00 lbs)	1/2"
500 Servings (1bs)	75.00 (5 bags 15.00 lbs)	Bag size = 15" X 29-1/2"	60.00 (5 bags 12.00 lbs)	Bag size = 15" X 29-1/2"
300 Servings (1bs)	45.00 (3 bags 15.00 lbs)		36.00 (3 bags 12.00 lbs)	
Ingredients	Fish sticks, frozen, breaded		Shrimo, frozen, breaded	

SEAFOOD PLATTER



OPERATIONAL GUIDE FOR SHRIMP CREOLE (W.R.)

INGREDIENTS & BATCH SIZE

νı	Ŧ			. # . #		ω	20	Н	Steps	Controll Containe
Water	Water, tap cold Col-flo 67, starch Flour, hard wheat	Lemon Julce Water, tap Salt Garlic, granular Hot sauce Bay, ground Allspice, ground Pepper, cayenne, ground	Sugar, granulated Onions, dehyd, chopped	pieces, drained Peppers, frozen, green, diced	Celery, fresh, diced 1/2 inch	Tomatoes, canned in heavy puree	Bacon	Shrimp, frozen, deveined	Ingredients	Controlling Equip: Kettles Container Net Wt:
	SP** 8300	15850 15188 1520 1520 1530	9930 5290	5700	4720	<u>Sp**</u>	80	1740	*Index No.	
To make 4.75 gal	3.12 0.70 0.25	000000000000000000000000000000000000000	000 285	1.8	2.00	11.00	3.00	24.00	100 Servings	Servings/Container:
To make 14.25 gal	9.36 2.10 0.75	000000000000000000000000000000000000000	0.60	3.4 00 20	6.8	33.00	9.00	72.00	300 Servings 40-gal Kettle (1b)	
To make 23.75 ga	15.60 3.50 1.25	88881831 00000H	2012	5.00	10.00	55.00	15.00	120.00	500 Servings 40-gal Kettle (1b)	12 of 6 oz
gal 38.00 gal	24.96 5.60 2.00		1.00 60 60 60	8.00	16.00	88.00	24.00	192.00	800 Servings 60-gal Kettle (1b)	Est. Prep, Time: Approx. Yield:
Measuring stick	Pot & Whip					Strainer	Pan Fry-Tilt	Kettle	Utensils	: 4 hours 300, 500, & 800 servings

FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 77

** Special Purchase

OPERATIONAL GUIDE FOR SHRIMP CREOLE (W.R) INSTRUCTIONS

		Check	Time
		<u>Points</u>	(Minutes)
NOTE	: To preserve the integrity of the shrimp, this product should be hand-filled.		
0-	Verify components, ingredients, and spices as to number and amounts received from Prep. Area.		10
∞-	Deliver bacon to oven area; remaining ingredients to kettle area.		10
1-	Place water in kettle. Bring to a boil. Add shrimp, return to boiling point. Reduce heat and simmer 2 minutes. Shut off steam. Drain hot water and rinse with cold water to cool shrimp to room temperature. Drain. Hold for Step 5.		20
2-	Fry bacon strips in fry-tilt pan until crisp (about 30 minutes). Drain fat and hold for Step 3. Crumble bacon into small (approximately $\frac{1}{2}$ ") pieces. Transfer bacon fat and bacon pieces to kettle area.		4 0
3-	In a steam-jacketed kettle, place bacon fat and bacon pieces from Step 2. Add tomatoes, diced celery, drained mushroom pieces, diced green peppers, sugar, lemon juice, water, salt, granulated garlic, tabasco sauce, ground bay, ground allspice, and ground cayenne pepper. Turn on steam and heat with constant agitation until temperature reaches 160 F.		30
1+-	In a pot, combine Col-flo 67 starch and wheat flour with cold water to make a slurry; using whip, stir and crush all lumps. Add to other ingredients in steam-jacketed kettle (Step 3) and heat, with constant agitation to 180°F.		20
5 -	Raise level (volume) of product in kettle with tap water to required amount of gallons using measuring stick. Mix well. Turn off steam. Add shrimp from Step 1, and mix lightly.		10
6 -	Fill half-size steam table aluminum pan with $4-\frac{1}{2}$ 1b of product		20

		rational parties.			Poi	nts	(Minutes)
7 -	Pass pans filled with a lidding machine to cover	Shrimp Creole er and close.	thru				10	
8-	Pass covered pans thru	labelling mad	chine.				10	
	Labels should read:							
	Shrimp Creole Net Wt:			Prepared: ings: 12				

Reconstitution Instructions:

Heat covered pans in 325°F preheated ovens to internal temperature of 160°F.

Convection ovens: 1 hour 15 minutes
Conventional (ordinary) ovens: 1 hour 30 minutes

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SHRIMP CREOLE GEMERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION -

Prepare items for transportation in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.

 Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to
 - shipment, cover with plastic lid. 50

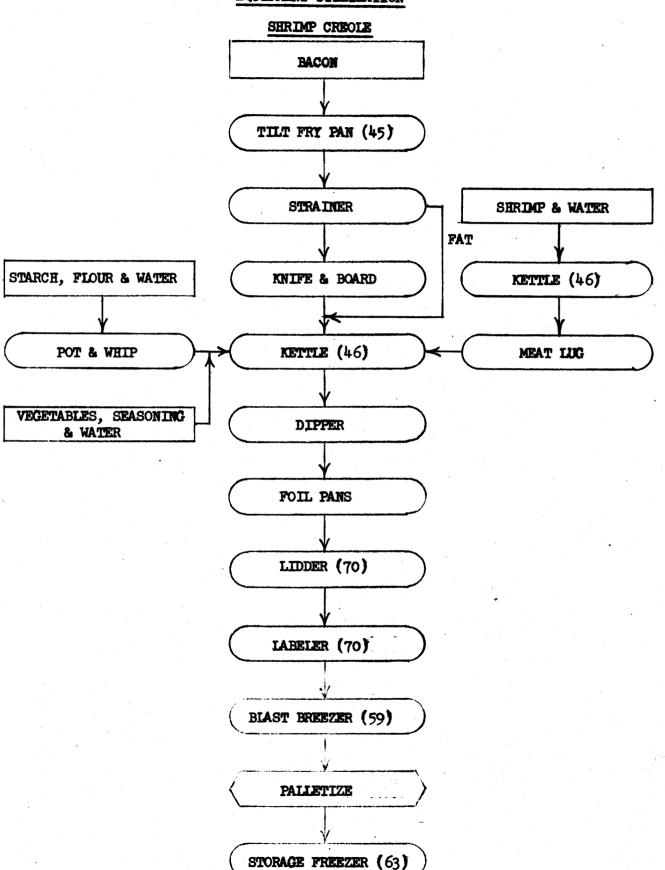
Irgredients	300 Servings (ibs)	s	500 Servings (165)	800 Servings (1hs)	Label Instructions for Polyethylene Bag or Box (if used)
Shrimp, frozen, deveined	72.00	72.00 (3 bags 24.00 lbs)	120.00 (5 bags 24.00 lbs) Bag size = 15" X 29-1/2"	192.00 (8 bags 24.00 lbs)	Shrimp for shrimp creole 24.00 lbs
Bacon	00.6	9.00 (1 bag 9.00 lbs)	15.00 (1 bag 15.00 lbs) Bag size = 15" X 29-1/2"	24.00 (1 bag 24.00 lbs)	Bacon for shrimp creole * lbs
Tomatoes, canned in heavy puree	33.00	33.00 (3 bags 11.00 lbs)	55.00 (5 bags 11.00 lbs) Bag size = 15" X 29-1/2"	88.00 (8 bags 11.00 lbs)	Tomatoes for shrimp creole 11.00 lbs
Celery, fresh, diced,	00.9		10.00	16.00	Celery, mushrooms and
Mushrooms, canned pieces, drained Peppers, frozen, green, diced	3.00	(1 bag 13.20 lbs)	7.00 (2 bags 11.00 lbs) 5.00 Bag size = 15" X 29-1/2"	11.20 (2 bags 17.20 lbs) 8.00	creole * lbs
Sugar, granulated Onions, dchydrated, chopped Lenon juice	1.20	5	2.00 1.00 0.25	3.20 1.60 0.40	Sugar, onions, lemon juice, salt, garlic, hot sauce, bay, allspice
Sail Garlic, granular Hot sauce	0.06	(bag 2.64 lbs)	1.00 (1 bag 0.10 4.40 lbs) 0.035	1.60 (1 bag 0.16 7.04 lbs) 0.056	and pepper for shrimp creole
Allspice, ground Pepper, cavenna amound	0.003		0.005 0.005 0.005	0.008	
	5		Bag size = 10" X 18"	0.000	* 1bs

GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - SHRIMP CREOLE (Cont'd)

Label Instructions for Polyethylene Bag or Box (if used)	Starch and flour for shrimp creole
800 Servings (1bs)	5.60 (1 bag 2.00 7.60 lbs)
500 Servings (1bs)	3.50 (1 bag 1.25 4.75 lbs) Bag size = 10" X 18"
300 Servings (1bs)	2.10 (1 bag 0.75 2.85 lbs)
Ingredients	Col-Flo-67, starch Flour, hard wheat

*Appropriate weight to be written is dependent on number of servings.

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EQUIPMENT UTILIZATION



OPERATIONAL GUIDE FOR BAKED TUNA AND NOODLES L-124 INGREDIEWIS & BATCH SIZE

	Container Net Wt:	Controlling Equin.
	5.75 lb	Ke++16
	000	Servings/Container:
	1	10 of 9 oz
servings	Approx. Yield: 300, 500, & 800	Fst. Prep. Time: 4.9 hours

6	υ			(u)		ш	Steps
Cheese, cheddar, shredded Paprika Bread Crumbs	Pimentos, canned 1/4 in. 5730 drained, chopped 1/4 in.	Water, tap Salt, table Noodles		, ģ.	Milk, nonfat, dry Col-flo 67, starch Water	Tuna, Canned, White	Ingredients
15440 6980	in. 5730	15850 8460	8300 15850	2360/13980 5310 4270	3050 SP**	1800	*Index
0.06	0.85 To make 6.5 gal	25.00 0.11 5.00	0.85	2.70 0.09 +.00	2.50 2.42 24.00	17.00	100 Servings
4.50 0.18 2.55	2.55 To make 19.5 gal	75.00 0.33 15.00	2.55	8.10 0.27 12.00	7.50 1.26 72.00	51.00	300 Servings 40-gal Kettle (1b)
7.50 0.30 25	1.25 To make 32.5 gal	125.00 0.55 25.00	0.80	13.50 0.45 20.00	12.50 2.10 120.00	85.00	500 Servings 60-gal Kettle (1h)
6.88 6.48	6.80 To make 52 gal	200,00 +0.00	6.80 1.28	21.60 0.72 32.00	20.00 3.36 192.00		800 Servings 80-gal Kettle (1b)
	Measuring stick	Kettle		Kettle Whip	Kettle Whip	Meat Lugs	Utensils

^{*} FSC Group 89 Subsistence Catalog 1 Jan 77 (08900-SL)

^{*} Special Purchase

OPERATIONAL GUIDE FOR BAKED TUNA AND NOODLES L-124 PREPARATION AREA

NOTE: Prior to shipping to Central Kitchen the following ingredients should be prepared and kept refrigerated.

- 1- Canned Tuna should be opened, drained and flaked in 3/4-inch or less pieces.
- 2- Celery should be cleaned and chopped in 1/8-inch pieces.
- 3- Onions should be rehydrated in excess water for at least 10 minutes and drained of excess water.
- 4- Canned Pimentoes should be open, drained, and diced in 1/4-inch pieces (ensuing juices from dicing shall not be drained).
- 5- Cheese shall be shredded.
- 6- Paprika and bread crumbs shall be mixed thoroughly.

OPERATIONAL GUIDE FOR BAKED TUNA AND NOODLES L-124 INSTRUCTIONS

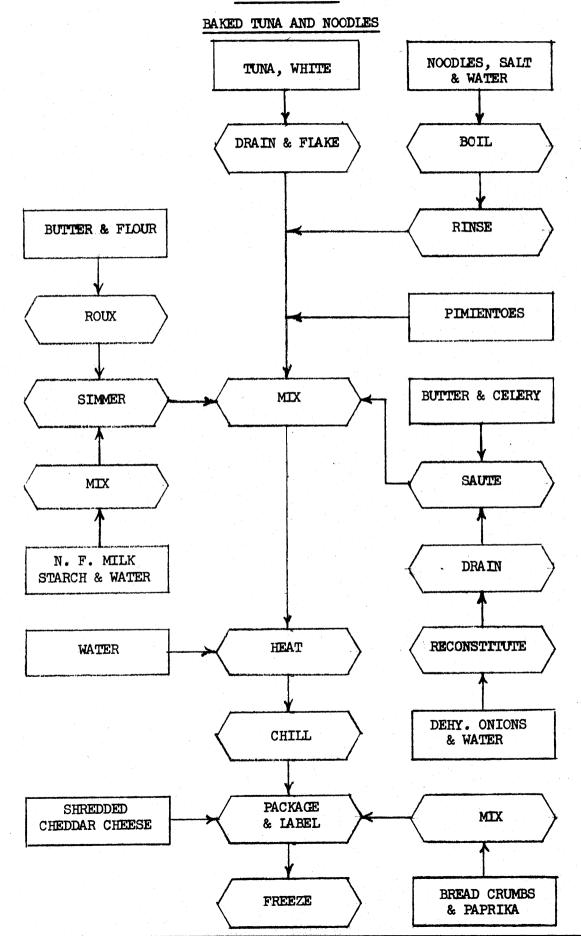
	大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大		
NOTE	: This product requires the use of two different kettles.	Check <u>Points</u>	Time (Minutes)
0-	Verify components (flaked tuna, chopped celery and pimentos, rehydrated onions, shredded cheese and paprika/bread crumb mixture), ingredients, and spices as to number and amounts received from Prep. Area.		
00-	Deliver all ingredients to the kettle area.		
000-	Margarine may be substituted for Butter.		
1-	Drain canned tuna; flake; place in meat lugs; cover and set aside for Step 5 below. DO NOT HOLD MORE THAN ONE HOUR WITHOUT REFRIGERATION.		30
2-	Place water in kettle; add dry milk and starch; stir well to crush all lumps; heat to 180°F with agitation. Shut off steam hold for Step 3.	1	20
3-	Heat margarine in large kettle; add rehydrated onions and celery; cook until tender. Sprinkle flour and salt into margarine with constant stirring; crush all lumps and continue cooking for 10 minutes. Transfer the hot dry milk-starch mixture (Step 2) and slowly add to flour mixture in kettle with constant agitation; simmer for 20 minutes.		40
14-	In a separate kettle, place salt and water, heat to a rolling boil; add noodles slowly; stir to prevent clumping. Cook noodles until tender (15-20 minutes). Do not overcook. Drain and rinse noodles thoroughly and drain again. Noodles should be used within 30 minutes or refrigerated.		30
5-	Add tuna, noodles and pimentos to sauce mixture in kettle. Mix thoroughly and with constant agitation heat to 165°F. Shut off steam. Raise level (volume) of product in kettle with hot water to required number of gallons using measuring stick. Mix thoroughly		20
6	(a) Pump cooled tuna-noodle mixture to filler.		10
	(b) Fill half-size steam table pans with 5.75 pounds of product.		15

	Check Points	Time (Minutes)
6-	Sprinkle shredded cheese evenly on product in pans. Top over shredded cheese a mixture of bread-crumbs	20
	and paprika.	
7-	Pass filled pans thru lidding machine to cover and	
	close.	10
8-	Pass covered pans thru labelling machine. Labels should read:	10
	Tuna and Noodles Net Wt: 5.75 lb Date Prepared: Servings: 10 of 9 oz ea	
	Reconstitution Instructions:	

Heat covered pans in 325°F preheated ovens to an internal temperature of 165°F.

Convection ovens: 1 hour 15 minutes Conventional (ordinary) ovens: 1 hour 30 minutes

Alternatively the Tuna and Noodles may be poured (removed from foil pans) in kettle and heated to 165°F.



Prepare items for transportation in one of the following manners:

Secure all bags with plastic or Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.

Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid.

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Ingredients	300 Servings (1bs)	500 Servings (1bs)	800 Servings (1bs)	Label Instructions for Polyethylene Bag or Box (if used)
Tuna, canned, white	51.00 (3 bags 17.00 lbs)	85.00 (5 bags 17.00 lbs) Bag size = 15" X 29-1/2"	136.00 (8 bags 17.00 lbs)	Tuna for baked tuna and noodles 17.00 lbs
Milk, nonfat, dry Col-Flo 67 starch	7.50 (1 bag 1.26 8.76 lbs)	12.50 (1 bag 2.10 14.60 lbs) Bag size = 15" X 29-1/2"	20.00 (2 bags 3.36 11.68 lbs)	Milk and starch for baked tuna and noodles
Margarine/butter	8.10 (1 bag 8.10 lbs)	13.50 (1 bag 13.50 lbs) Bag size = 15" X 29-1/2"	21.60 (2 bags 10.80 lbs)	Butter or margarine for baked tuna and noodles
Onions, dehydrated, sliced Celery, chopped	0.27 (1 bag 12.00 12.27 1bs)	0.45 (2 bags 20.00 10.23 lbs) Bag size = 15" X 29-1/2"	0.72 (3 bags 32.00 10.91 lbs	Onions and celery for baked tuna and noodles
Flour, wheat Salt	2.55 (1 bag .48 3.03 lbs)	4.25 (1 bag .80 5.05 lbs) Bag size = 10" X 18"	6.80 (1 bag 1.28 8.08 lbs)	Flour and salt for baked tuna and noodles
Salt, table	0.33 (1 bag 0.33 lbs)	0.55 (1 bag 0.55 lbs)	0.88 (1 bag 0.88 1bs)	Salt (to be used in cooling noodles) for baked tuna
		Bag size = 8" X 10"		and noodles * 1bs

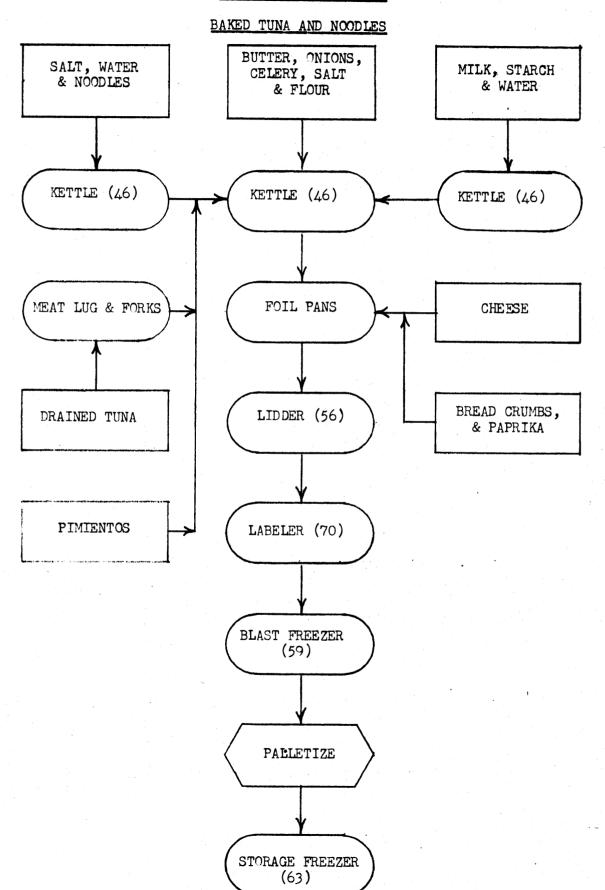
*Appropriate weight to be written is dependent on number of servings.

GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - BAKED TUNA AND NOODLES (Cont'd)

Ingredients	300 Servings (1bs)	500 Servings (1bs)	800 Servings (1bs)	Label Instructions for Polyethylene Bag or Box (if used)
Noodles	15.00 (1 bag 15.00 lbs)	25.00 (2 bags 12.50 lbs) Bag size = 15" X 29-1/2"	40.00 (2 bags 20.00 lbs) 2"	Noodles for baked tuna and noodles * lbs
Pimentos, canned	2.55 (1 bag 2.55 lbs)	4.25 (1 bag 4.25 lbs) Bag size = 15" X 29-1/2"	6.80 (1 bag 6.80 lbs) 2"	Pimentos for baked tuna and noodles
Cheese, cheddar, shredded	4.50 (1 bag 4.50 lbs)	7.50 (1 bag 7.50 lbs) Bag size = 10" X 18"	12.00 (2 bags 6.00 lbs)	Cheese for baked tuna and noodles
Paprika Bread crumbs	0.18 (1 bag 2.55 2.73 lbs)	0.30 (1 bag 4.25 4.55 lbs) Bag size = 10" X 18"	0.48 (1 bag 6.80 7.28 lbs)	Paprika and bread crumbs for tuna and noodles

*Appropriate weight to be written is dependent on number of servings.

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EQUIPMENT UTILIZATION



OPERATIONAL GUIDE FOR BARBECUED CHICKEN INGREDIENTS & BATCH SIZE L-128

ω					• • • • • • • • • • • • • • • • • • •	Steps	Conrolling Equip: Container Net Wt:
Water	Vinegar, white	Pepper, red Pepper, red Margarine or Butter Col-flo 67, starch Water, tap	Mustara, prepared Sugar, light brown Salt, table Penner black	Sauce Unions, dehyd, sliced Worcestershire sauce Catsup, tomato	Chicken, parts or cut-up Shortening (oven method only)	Ingredients	ng Equip: Fryer of Oven - Kettles r Net Wt: 4.5 lb
	16000	15510 1398 or 2360 SP**	15350 15850 15310		580 14080	*Index No.	- Kettles
To make 4 gal	4.00	85,831 10,100 10,000	0.648 0.548	0.37 2.25 16.50	50.00	100 Servings (1h)	Standard Se
To make	12.00	%+4.00 %+4.00 %+4.00	0.1.7.00 0.1.7.00 0.1.7.00	1.11 6.75 49.50	150.00 3.00	300 Servings HO-gal Kettle (1b)	Standard Serving: 8 of 2 pcs. 1/4 cup saw
To make	20.00	87.890 87.890	5,7,2 0,0,2 0,0,0,0	1.85 11.25 82.50	250.00 5.00	500 Servings 40-gal Kettle (1b)	õ
To make 32 gal	32.00	80000 8888	0.78 0.78 0.78 0.78 0.78 0.78 0.78 0.78	2.96 18.00 132.00	₩ 0. 00	800 Servings 60-gal Kettle (1b)	rox. Yield:
Measuring stick			Whip	Kettle agitating	Fryer of Oven Paking pans	Utensils	Est. Prep Time: 5.5 hours Approx. Yield: 300, 500, 8 800 servings

FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 77

^{**} Special Purchase

OPERATIONAL GUIDE FOR BARBECUED CHICKEN L-128 INSTRUCTIONS

		Check <u>Points</u>	Time (Minutes)
) -	Verify components, ingredients, and spices as to number and amounts received from Prep. Area.		10
∞-	Deliver chicken parts to deep fat fryer oven area; remaining ingredients to Kettle Area.		10
1-	Optional Methods for browning Chicken parts -		
	(a) <u>Fryer method</u> : Pass chicken parts thru 365°F preheated continuous fryer to brown surface. Parts being discharged from fryer should be separated so as to fill baking pans with one type only (i.e. all legs, all wings, etc. per pan). Hold for Step No. 4.		30
	(b) Oven Method: Grease baking pans with shortening. Separate chicken parts so that only one type is placed in each pan (i.e. all legs, all wings, etc. per pan). Place uncovered pans in a preheated 375 F oven and bake until slightly browned. (20-30 minutes) Hold for Step No. 4.		40
2-	Sauce - Combine remaining ingredients, except vinegar, in steam kettle; mix well to blend. Turn on steam heat to 200°F., and simmer for 15 minutes. Add vinegar; mix well.		20
3-	Raise level (volume) of product in kettle with hot water to required number of gallons using measuring stimix well.	.ck.	10
)+-	Pour sauce equally over each pan of browned chicken parts; cover and bake in preheated 365 F oven to an internal temperature of 165 F (about 1 to 1-1/4 hours).		90
5 -	Remove cooked chicken parts from oven and set aside to cool.		60
6-	Place 4 legs, 4 wings, 4 breasts, and 4 thighs in each half-size steam table pan. Pour 2 lb of sauce over chiparts.	.cken	4 0

Check Time
Points (Minutes)

7- Pass pans thru lidding machine to cover and close.

10

8- Pass covered pans thru labelling machine. Labels should read:

Barbecued Chicken Net Wt: 4.5 lb Date Prepared:
Servings: 8 of 2 pcs ea
1/4 cup sauce

Reconstitution Instructions:

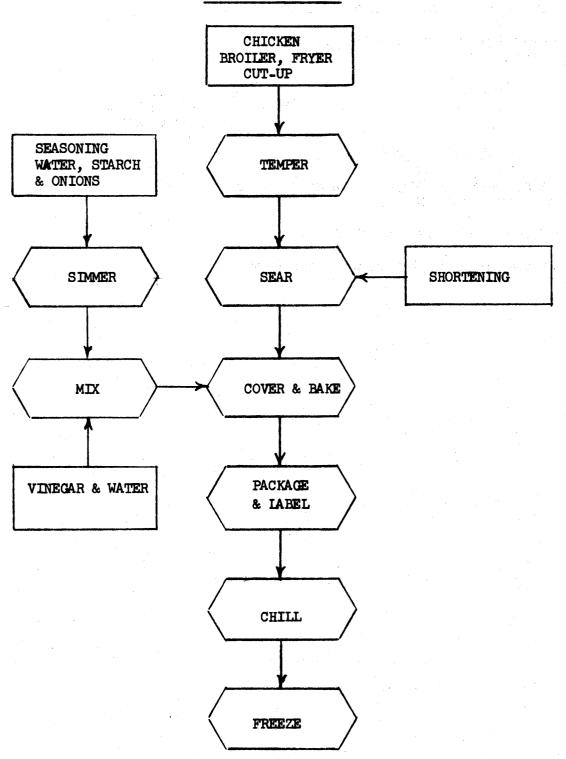
Heat pans covered in 325°F preheated ovens to internal temperature 160°F.

Convection oven: 1 hour 15 minutes

Conventional (ordinary) ovens: 1 hour 30 minutes

MATERIAL FLOW

BARBECUED CHICKEN



Prepare items for transportation in one of the following manners:

- Secure all bags with Bestic or plastic food boyes are used for transportation, they shall be lidded and labelled (preferably to the side of the box) prior to shipment. Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with Deservices and Vith label instructions. Place bagged items in wire baskets for transportagion
 - If cans are opened prior to NOTE: Place #10 cans of ingredients in wire baskets for transportation. shipment, cover with plastic lid.

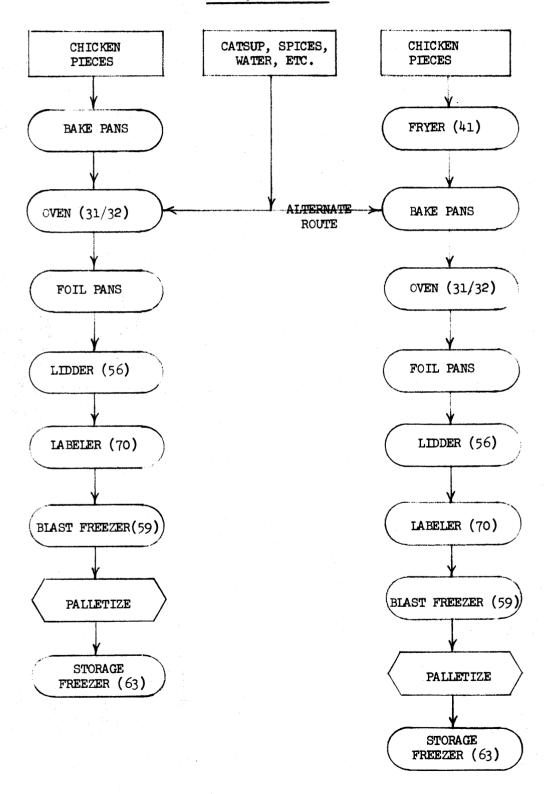
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Mgredients	300 Servings (1bs)	500 Servings (1bs)	800 Servings (1bs)	Label instructions for Polyethylens Bag or Box (if used)
Chicken, parts or cut-up	150.00 (10 bags 15.00 lbs)	250.00 (20 bags 12.5 lbs) Bag size = 15" X 29-1/2"	400.00 (20 bags 20.00 lbs)	Chicken for barbecued chicken 1bs.
Shortening	3.00 (1 baq 3.00 lbs)	5.00 (1 bag 5.00 lbs) Bag size = 10" X 18"	8.00 (1 bag 8.00 lbs)	Shortening for barbecued chicken * 1bs
Sauce Catsup, Tomato	49.50 (3 bags 16.50 lbs)	82.50 (5 bags 16.50 lbs) Bag size = 15" X 29-1/2"	132.00 (8 bags 16.50 lbs)	Catsup for barbecued chicken (sauce)
Onions, dehydrated,sliced Worcestershire sauce Mustard, prepared Sugar, light brown Salt, table Pepper, black Pepper, red Margarine or butter	1.11 6.75 3.00 7.50 (2 bags 1.95 12.21 lbs) 0.03 3.00	1.85 11.25 5.00 12.50 (2 bags 3.25 20.35 lbs) 0.05 5.00	2.96 18.00 8.00 20.00 (4 bags 5.20 16.28 lbs) 0.08 8.00	Onions, worcestershire sauce, mustard, sugar, salt, pepper (2), butter and starch for barbecued chicken (Sauce)
Col-Flo 67 starch Vinegar, white	1.05 12,00 (1 bag 12.00 1bs)	1.75 Bag size = 15" X 29-1/2" 20.00 (2 bags 10.00 1bs) Bag size = 15" X 29-1/2"	2.80 32.00 (4 bags	Vinegar for barbecued chicken (saice)

*Appropriate weight to be written is dependent on number of servings.

EQUIPMENT UTILIZATION

BARBEQUED CHICKEN



OPERATIONAL GUIDE FOR CHICKEN CACCIATORE L-130

INGREDIENTS & BATCH SIZE

ω					N	. -	Steps	Controll Contains
Sauce Col-flo 67, starch Water Drippings	Fepper, red Allspice, ground Garlic, powder Chili powder Thyme, ground	Chicken Chicken Salt, table Pepper, black Onion, dehyd, sliced	Water, tap Soun & Gravy Base		es, cann thed	Chicken, Broiler/ Fryer, cut-up	Ingredients	Controlling Equip: Fryer - Kettle Container Wt:
SP**	15510 14260 14480 15990	11470 15850 15480 5310	5210	6460	6420	580	*Index	le
0.400 1.00	0.0000 80000 90000	0.250 0.150 0.005 0.150	1.800 9.500	2.250	5.250	50.00	100 Servings FRYER (1b)	Standard Servings:
40-gal Kettle 1.200	0.0155	0.45 0.45 0.45	5.40 28.50	6.75	15.75	150.00	300 Servings FRYER (1b)	
HO-gal Kettle 2.00 5.00	0.00000	1.25 0.75 0.025 0.750	9.00 47.50	11.75	26.25	250.00	500 Servings FRYER (1b)	8 of 2 pcs and ½ cup sauce
40-gal Kertile 3.20 8.00	00000	1.20	14.40	18.00	42.00	±∞•∞	800 Servings FRYER (1b)	
Kettle		Wy covers Oven	Roasting pans	Whip	Pot	Fryer	Utensils	Est. Prep Time: 5 hours Approx. Yield: 300, 500, & 800 servings

F		Steps
Water		<u>Ingredients</u>
		*Index
To make 3.5 gal		100 Servings FRYER (1b)
To make 10.5 gal	40-gal Kettle	300 Servings FRYER (1b)
To make 17.5 gal	40-gal <u>Kettle</u>	500 Servings FRYER (1b)
To make 28.00 gal	40-gal Kettle	800 Servings FRYER (1b)
Measuring stick		<u>Utensils</u>

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** Special Purchase

OPERATIONAL GUIDE FOR CHICKEN CACCIATORE L-130 INSTRUCTIONS

		Check <u>Points</u>	Time <u>(Minutes)</u>
0-	Verify components (including washed and drained chicken parts), ingredients, and spices as to number and amounts received from Preparation Area.		10
00-	Deliver chicken parts to continuous fryer area and remaining ingredients to kettle area.		10
1-	Pass chicken parts thru preheated continuous fryer to brown surface (365°F) for 3 to 5 minutes. Parts being discharged from fryer should be separated so as to fill baking pans with one type only; i.e., all legs, all wings, etc., per pan.		30
2-	Topping		
	Combine crushed tomatoes, tomato paste, drained mushrooms, water, chicken soup and gravy base, onions, and remaining spices in a large pot and mix thoroughly. Use equal amounts of mixture to top each baking pan of chicken parts. (a) Cover pans and heat in preheated 325°F oven to		100
	an internal temperature of 165 F (approximately 1 hr).		
	(b) Remove chicken parts from oven and fill each half-size steam table pans with 4 legs, 4 wings, 4 breasts, and 4 thighs. Set pans aside for Step 7. Reserve drippings for Step 3.		
3-	In a pot combine Col-flo 67 starch with water to make a slurry; stir; crush all lumps. Place drippings (from Step 2(b)) in kettle and combine with starch slurry; heat to 180°F for 10 minutes. Shut off steam.		20
1+-	Raise level (volume) of product in kettle with water to required number of gallons using measuring stick; mix thoroughly.		
5 -	Transfer sauce to filler.		10
6-	Fill half-size steam table pans of panned chicken with 2,2 lb of sauce.	25	20

		Check	Time inutes)
8-	Pass pans thru lidding machine to cover and close.		10
9=	Pass covered pans thru label machine. Labels should read:		10
	Chicken Cacciatore Net Wt: Date Prepared: Servings: 8 of 2 pcs & 2 cup sauce		
,	Reconstitution Instructions:		

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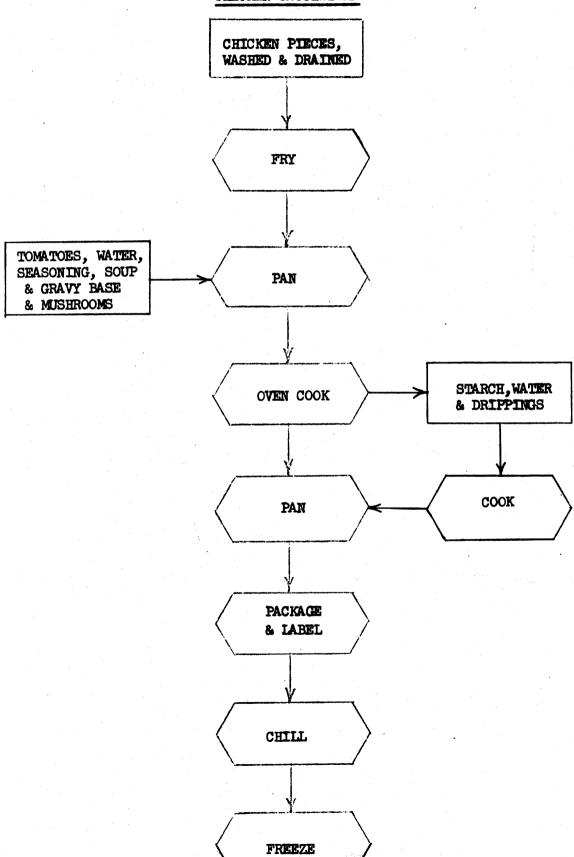
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Heat covered pans in preheated 325°F ovens to internal temperature of 160°F.

Convection ovens: 1 hour 15 minutes

Conventional ovens (ordinary): 1 hour 30 minutes

CHICKEN CACCIATORE



CHICKEN CACCIATORE GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION -

Prepare items for transportation in one of the following manners:

Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.

Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. ۲,

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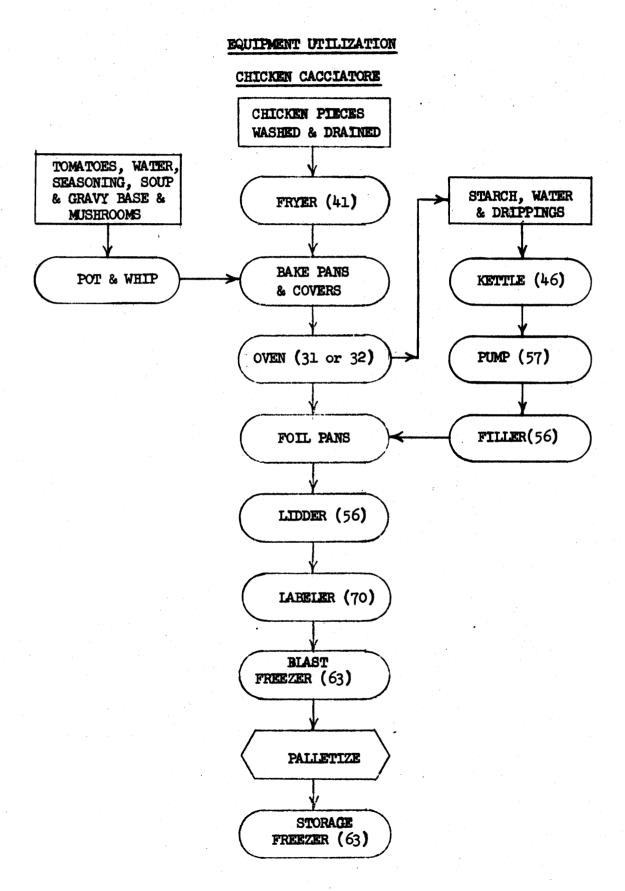
U Label Instructions for ngs Polyethylene Bag or Box s) (if used)	400.00 (16 bags Chicken for chicken 25.00 lbs) cacciatore 25.00 lbs	42.00 (3 bags Crushed tomatoes for 14.00 lbs) chicken cacciatore (topping)	18.00 (2 bags Tomato paste for chicken 9.00 lbs) cacciatore (topping)	Mushrooms, chicken base, salt, pepper (2), onions, 0 (1 bag spice, garlic, chili and 19.36 lbs) thyme for chicken cacciatore (topping)
800 Servings (1bs)				14.40 2.00 1.20 1.20 1.20 0.04 0.04 0.04
500 Servings (1bs)	250.00 (10 bags 25.00 lbs) Bag size = 15" X 29-1/2"	26.25 (2 bags 13.13 lbs) . Bag size = 15" X 29-1/2"	11.75 (1 bag 11.75 1bs) Bag size = 15" X 29-1/2"	9.00 1.25 (1 bag .025 .750 .025 .025 0.025 .025 .025 .025 .025 .025 .025 .025
300 Servings (1bs)	150.00 (6 bags 25.00 lbs)	15.75 (1 bag 15.75 lbs)	6.75 (1 bag 6.75 lbs)	5.40 .75 (1 bag .45 7.26 1bs) .015 .015 0.015 0.015
Ingredients	Chicken, broiler/fryer, cut-up TOPPING	Tomatoes, canned, crushed	Tomato paste, canned (26% solids)	Mushrooms, drained, 1/2 X 1/2 inch chopped Soup & gravy base, chicken Salt, table Pepper, black Onion, dehydrated, sliced Pepper, red Allspice, ground Garlic powder Chili powder Thyme, ground

*Appropriate weight to be written is dependent on number of servings.

GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - CHICKEN CACCIATORE (Cont'd)

Ingredients	300	500	800	Label Instructions for
	Servings	Servings	Servings	Polyethylene Bag or Box
	(1bs)	(1bs)	(1bs)	(if used)
SAUCE				
Col-Flo 67, starch	1.20 (1 bag	2.00 (1 bag	3.20 (2 bags	Starch and drippings for chicken cacciatore
Drippings and water	3.00 4.20 lbs)	5.00 7.00 lbs)	8.00 5.6 lbs)	
		Bag size = 10" X 18"		(sauce) * lbs

*Appropriate weight to be written is dependent on number of servings.



OPERATIONAL GUIDE FOR COUNTRY STYLE CHICKEN L-135 INGREDIENTS & BATCH SIZE

Л			Fryk t	· · · · · · · · · · · · · · · · · · ·	N		Steps 1	Controll Containe
Water	drippings	lo starch nonfat, dry en Soup & Gravy	Shortening Flow Gravy	Roux	Water, hot	<u>Dredging Mixture</u> Flour, wheat Salt, table Pepper, black Paprika	Ingredients Chicken, broiler- fryer cut up, washed & drained	Controlling Equip: Oven Container Net Wt: 5.5 lb
		SP** 3050 Base 11470	14080 8300			15480 15850 15480 1540	*Index No. 580	
To make 3.5 gal	28.00	0.00	1.80 0.75	Kettle	8.00	0.02	100 Servings (1b) 50.00	Standard Servings:
To make 10.5 gal	84.00	2,22,25 2,25,25 2,00 2,00 2,00 2,00 2,00	5.40 2.25	40-gal <u>Kettle</u>	24.00	1.50 0.00 0.00 0.00	300 Servings OVEN (1b) 150.00	rvings: 8 of 2 pcs & cup gravy
To make 17.5 gal	140.00	3.3.7 3.77	9.00 3.75	40-gal Kettle	₩.00	20.00 0.10 0.10	500 Secretages OVEN (1b) 250.00	pcs & 1/2 avy
To make 28.0 gal	224.00	6.6. 888	14.40	40-gal <u>Kettle</u>	64.00	32.00 +.00 0.16	800 Servings OVEN (1b)	Est. Prep. T Approx. Yiel
Measuring stick		Pot Whip	Kettle Whip		OVEN	Breader Fryer Baking pans		Est. Prep. Time: 5 hours Approx. Yield: 300, 500, & 800 servings

^{*} FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 77

^{**} Special Purchase

OPERATIONAL GUIDE FOR COUNTRY STYLE CHICKEN L-135 INSTRUCTIONS

		Check <u>Points</u>	Time (Minutes)
TOM	E: This product requires work space for hand-filling half-size steamtable pans.		
0-	Verify components (including the washed and drained cut-up chicken), ingredients, and spices as to number and amounts received from Prep. Area.		10
∞-	Deliver cut-up chicken and dredging mixture (flour, salt, pepper and paprika) to breading-frying area. Deliver all remaining ingredients to kettle area.		10
1-	Load breading machine with dredging mixture, pass chicken parts through breading machine and preheated continuous fryer (360 F for 3 to 5 minutes) until golden grown. As chicken parts are being discharged from fryer, they should be separated so as to fill baking pans with one type only; i.e., all legs, all wings, etc. per pan.		30
2-	Add about 1 quart (2 1b) of water to each baking pan; cover pans and bake in preheated 325°F oven for 45 minutes or until chicken reaches an internal temperature of 165°F. Remove from oven and load half-size steamtable aluminum pans with 4 legs, 4 wings, 4 thighs and 4 breasts. Set aside for Step 7. Reserve drippings for Step 4.		80
3-	To make roux, melt shortening in kettle; add flour slowly with thorough stirring to eliminate lumps; continue to cook for 10 minutes.		15
4-	Mix Col-flo 67 starch, nonfat dry milk, chicken soup and gravy base with 1/5 of the required (liquid) water. Crush all lumps and add to roux slowly with thorough mixing. Combine drippings (Step 2) with sufficient amount of water to make the remaining 4/5 of liquid, (water). Heat to 180 F and cook for 15 minutes. DO NOT BOIL.		25
5-	Raise level (volume) of product in kettle with tap water to required amount of gallons using measuring stic Mix well. Turn off steam.	ek.	10

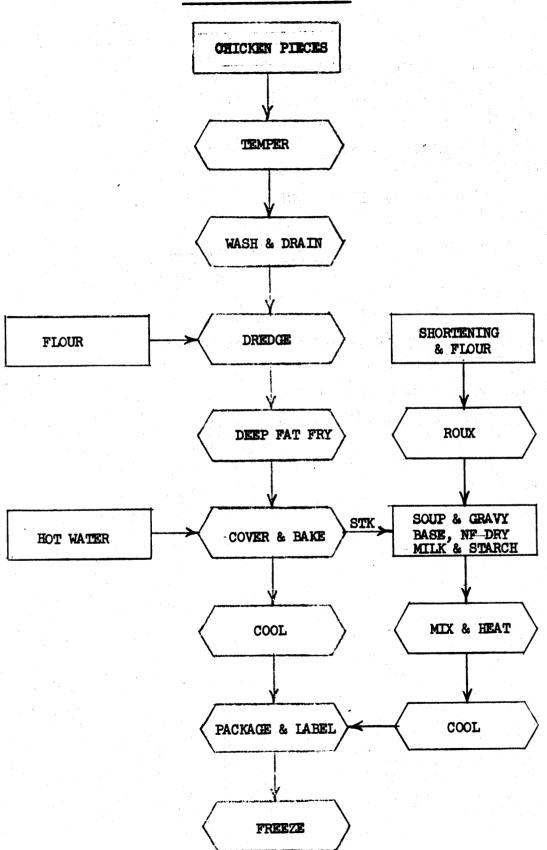
	Check <u>Points</u>	Time (Minutes)
6-	Transfer gravy to filling machine.	10
7-	Fill 2.25 lb of gravy over panned cooked chicken parts (Step 2).	20
8-	Pass filled pans of chicken and gravy thru lidding machine to cover and close.	10
9-	Pass covered pans thru labelling machine. Labels should read:	10
	Country Style Chicken Net Wt: Date Prepared: Servings: 8 of 2 pcs & to cup gravy	
	Reconstitution Instructions:	

Heat covered pans in $325^{\circ}\mathrm{F}$ preheated ovens to internal temperature of $160^{\circ}\mathrm{F}$.

Convection ovens: 1 hour 15 minutes

Convention (ordinary) ovens: 1 hour 30 minutes

COUNTRY STYLE CHICKEN



Prepare items for transportation in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. ۲: 5

Ingredients	300 Servings (1bs)	500 Servings Se (1bs)	800 Servings (1bs)	Label Instructions for Polyethylene Bag or Box (if used)
Chicken, broiler-fryer, cut-up, washed & drained Dredging Mixture	150.00 (6 bags 25.00 lbs)	250.00 (10 bags 40 25.00 lbs) Bag Size = 15" X 29-1/2"	400.00 (16 bags 25.00 lbs)	Chicken for country style chicken $\frac{25.00}{}$ lbs
Flour, wheat Salt, table Pepper, black Paprika	12.00 1.50 (1 bag .06 13.62 lbs) .06	20.00 2.50 (2 bags .10 11.35 lbs) .10 Bag Size = 15" X 29-1/2"	32.00 4.00 (2 bags .16 18.16 lbs) .16	Flour, salt, pepper and paprika for country style chicken (dredging mixture * lbs
Roux Shortening Flour Gravy	5.40 (1 bag 2.25 7.65 lbs)	9.00 (1 bag 3.75 12.75 lbs) Bag size = 15" X 29-1/2"	14.00 (2 bags 6.00 10.00 lbs)	Shortening and flour for country style chicken (roux)
Col-Flo Starch Milk, nonfat, dry Chicken soup & gravy base	2.25 (1 bag 2.25 6.75 lbs) 2.25	3.75 (1 bag 3.75 11.25 lbs) 3.75 Bag size = 10" X 18"	6.00 (2 bags 6.00 9.00 lbs) 6.00	Starch, milk and soup and gravy base for country style chicken (gravy)

STORAGE FREEZER (70)

PALLETIZE

BLAST FREEZER (59)

IABELER (70)

LIDDER (56)

WATER OVEN (31 or 32) CHICKEN FIECES ROASTING PANS FRYER (40). BREADER(40) FOIL PANS EQUIPMENT UTILIZATION COUNTRY STYLE CHICKEN GRAVY INGREDIENTS & DRIFFINGS PCT & WHIP SHORTENING & FLOUR FILLER (56) (9t) TILLEY PUMP (57)

OPERATIONAL GUIDE FOR OVEN-FRIED CHICKEN 1-138
INGREDIENTS & BATCH SIZE

2 Chicken, broiler Fryer, cut up, washed & drained	(b) <u>Dredging Mixture</u> Flour, wheat Salt Pepper Bread crumbs, dry Paprika, ground	1 (a) <u>Dipping Mixture</u> Nonfat dry milk Water, tap Fggs, whole, beaten	Steps Ingredients	Controlling Equip: Ovens Container Net Wt:
580	8300 15850 15480 15440	3050 2620	*Index	
	i kangarat da Minaratan		V 1903 (1974)	
50.00 	0,7,000 0,00,7,0 0,00,00	0.40 2.75 2.00	100 Servings	Standard Se
150.00	0.03 0.03 0.03	6.00 6.00	300 Servings OVEN (1b)	Servings: 8 of
250.00	020025 020025 020025	2.00 13.75 10.00	500 Servings OVEN (1b)	of 2 pcs I
₩ . ∞	0 [‡] 0+² 0.18 0.28	3.20 22.00 16.00	800 Servings OVEN (1b)	Est. Prep Time: Approx. Yield:
Baking Pans OVEN	Mixer or Pot, Whip Breader- Breader-	Pot Whip	<u>Utensils</u>	: 3.5 hours 300, 500, & 800 servings

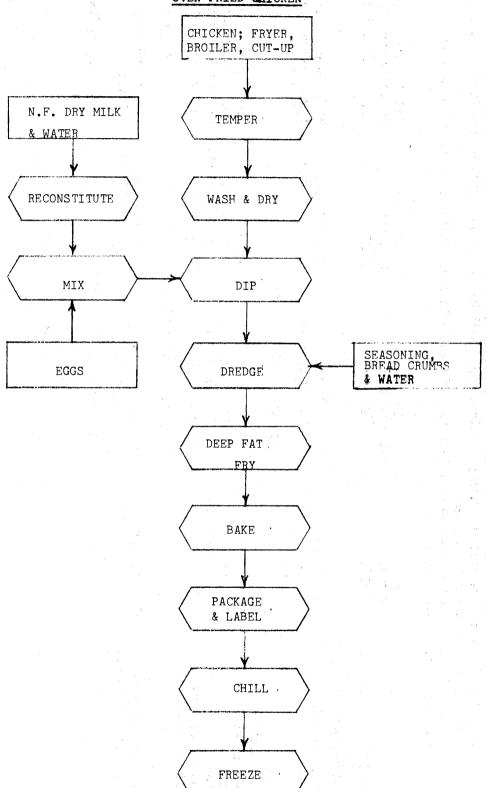
^{*} FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 77

OPERATIONAL GUIDE FOR OVEN FRIED CHICKEN L-138 INSTRUCTIONS

	Check <u>Points</u>	Time (Minutes)
TOM	E: This product requires work space for hand filling half-size steamtable pans.	
0-	Verify components (including washed and drained cut-up chicken) ingredients and spices as to number and amounts received from Prep. Area.	10
00-	Deliver cut up chicken, dip mixture, and dredging mixture to breader-fryer area.	10
1-	Load breading machine (wet section) with nonfat dry milk, water and eggs which have been mixed thoroughly, 1(a).	20
	Also load breading machine (dry section) with a well blended mixture of flour, salt, pepper, bread crumbs and paprika, 1(b).	
2-	Pass chicken parts thru dipping mixture and dredging mixture and continue thru continuous fryer (preheated to 365 F) for 2 minutes or until golden brown. As chicken parts are being discharged from fryer, they should be separated so as to fill baking pans with one type only; i.e., all legs, all wings, etc., per pan.	4 0
3-	Place chicken parts which are in uncovered baking pans in preheated 350°F oven and bake until the internal temperature of 165°F is reached (about 45 minutes).	50
1+-	Place 16 pieces (4 wings, 4 thighs, 4 legs and 4 breasts) in half-size steamtable pans. Allow the chicken to cool to room temperature.	60
5 - .	Pass filled pans of cooled chicken thru lidding machine to cover and close.	10
6	Pass covered pans thru labelling machine. Labels should read:	10
	Oven-Fried Chicken Net Wt: Date Prepared: Servings: 8 of 2 pieces	
	Reconstitution Instructions: Heat covered pans in 350°F preheated ovens to internal temperature of 160°F. Convection ovens: 1 hour 15 minutes Convectional (ordinary) ovens: 1 hour 30 minutes	

MATERIAL FLOW

OVEN FRIED CHICKEN



OVEN FRIED CHICKEN GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION

Prepare items for transportation in one of the following manners:

- Secure all bags with plastic or Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic o wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid.

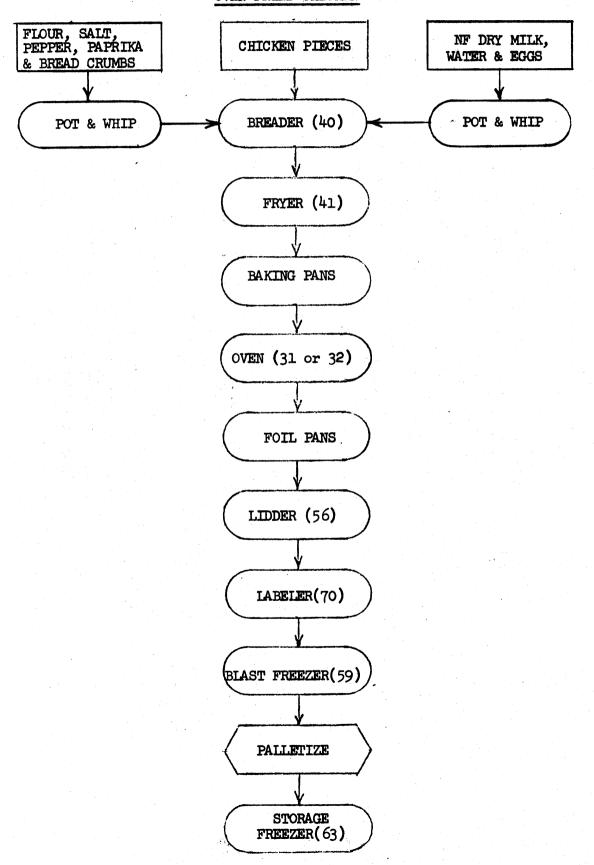
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Ingredients	300 Servings (1bs)	500 Servings (1bs)	800 Servings (1bs)	Label Instructions for Polyethylene Bag or Box (if used)
Dipping Mixture Nonfat dry milk Eggs	1.20 (1 bag 6.00 7.20 lbs)	2.00 (1 bag 10.00 12.00 1bs)	3.20 (2 bags 16.00 9.6 lbs)	Milk and eggs for oven fried chicken (dipping mixture)
Dredging Mixture		Bag stze = 15" X 29-1/2"	/2,	2
Flour, wheat Salt Pepper	9.00 1.50 (2 bags 0.03 12.80 lbs)	15.00 2.50 (4 bags .05 10.46 lbs)	24.00 4.00 (6 bags .08 11.38 lbs)	Flour, salt, pepper, & bread crumbs and paprika for oven fried
Bread crumbs, dry Paprika, ground	15.00 .06	25.00 .10 Bag size = 15" X 29-1/2"	40.00 .16 /2"	chicken (dredging mixture
Chicken, broiler-fryer, cut-up, washed & drained	150.00 (6 bags 25.00 lbs)	250.00 (10 bags 25.00 lbs)	400.00 (16 bags 25.00 lbs)	Chicken for oven fried chicken
		Bag size = 15" X 29-1/2"	/2"	25.00 lbs

*Appropriate weight to be written is dependent on number of servings.

EQUIPMENT UTILIZATION

OVEN-FRIED CHICKEN



N

Chicken, fryer, cut-up (2 pcs per serving)	Salt, table 15850 Pepper, black 15480 Celery salt Garlic salt 15130 Worcestershire sauce 15915 Soy sauce 15915 Salad oil 14000 Parsley, fresh, chopped 5410	*Index No.	ling Equip: Ovens er Net Wt:	
0	0 0400000	I M		
50.00	0.20100000	100 Servings (1b)	Standard S	OPERATI SAVORY BAKI INGREDIEN
150.00	0 6220000000000000000000000000000000000	300 Servings	Standard Servings: 8 of 2 pcs.	OPERATIONAL GUIDE FOR SAVORY BAKED CHICKEN L-140 INGREDIENTS & BATCH SIZE
250.00	0 50.7000.00	500 Servings	:	H & ~
H00.00	% % \$ 8 8 8 % % % % % % % % % % % % % %	800 Servings	Est. Prep Time Approx. Yield:	
Roasting Pans	Pot & Whip OVENS	<u> Utensils</u>	Est. Prep Time: 3.4 hours Approx. Yield: 300, 500, & 800 servings	

Steps

Controlling Equip: Ovens Container Net Wt:

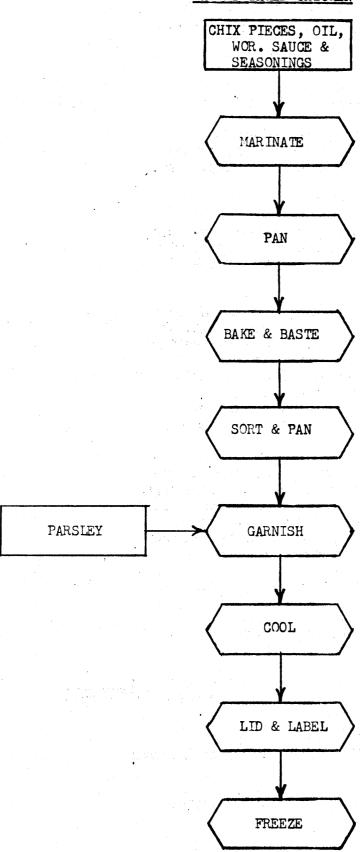
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OPERATIONAL GUIDE FOR SAVORY BAKED CHICKEN L-140 INSTRUCTIONS

TOM	E: This product requires work space for hand- filling half-size steamtable aluminum pans.	Check <u>Points</u>	Time (Minutes)
0-	Verify components (including the washed and drained cut-up chicken), ingredients, and spices as to number and amounts received from Prep, Area.		10
∞-	Deliver all items to oven area.		
1-	Combine salad oil, soy sauce, worcestershire sauce, garlic, celery salt, pepper, and salt in pot; mix well to make marinating liquid. Hold for Step 2 below.		10
2-	Separate chicken parts so as to fill roasting pans with one type only; i.e., all legs, all wings, all thighs and all breasts per pan. Divide marinating liquid so as to pour equal amounts over panned chicken. Leave chicken marinate for 30 minutes, turning frequently. Bake chicken in preheated 350 F oven or until chicken is tender (internal temperature of 160 F about 1-1/4 hours). Baste frequently while baking to develop flavor.		115
3 -	Remove cooked chicken from oven. Transfer chicken to half-size steamtable aluminum pans. Load 4 legs, 4 wings, 4 thighs, and 4 breasts to each pan. Divide drippings evenly to cover panned chicken parts. Sprinkle chopped Parsley over top of panned chicken. Allow the product to cool prior to lidding.		45
1+-	Pass cooled panned chicken thru lidding machine to cover and close.		10
5 -	Pass covered pans thru labelling machine. Labels should read:		10
	Savory Baked Chicken Net Wt: Date Prepared: Servings: 8 of 2	pcs.	
	Reconstitution Instructions:		
	Heat covered pans in 325°F preheated oven to internal temperature of 165°F. Convection Oven: 1 hour 15 minutes Convectional (ordinary) oven: 1 hour 30 minutes		

210 MATERIAL FLOW

SAVORY BAKED CHICKEN



Prepare items for transportation in one of the following manners:

- Flace items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or give ties: label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to snipment, cover with plastic lid. þ

Label Instructions for Polyethylene Bag or Box (if used)	Salt, nepper, celery, salt, garlic salt, worcestershire sauce, soy sauce & salad oil for savory baked chicken	Parsley for savory baked chicken * 1bs	Chicken for savory baked chicken <u>25.00</u> lbs
800 Servings (15s)	1.52 0.32 0.56 (2 bags 0.48 16.44 1bs) 8.00 6.00	0.56 (1 bag 0.56 lbs)	400.00 (16 bags 25.00 lbs)
300 500 Servings (1bs)	0.57 0.12 0.21 (1 baq 0.18 14.33 lbs) 0.35 (1 baq 0.18 14.33 lbs) 0.30 20.55 lbs) 3.00 2.25 10.00 Bag size = 15" X 29-1/2"	0.21 (1 bag 0.21 lbs) 0.35 (1 bag Bag size = 8" X 10"	150.00 (6 bags 250.00 (10 bags 25.00 lbs) 25.00 x 29-1/2"
Ingredients	Salt, table Pepper, black Celery salt Garlic salt Worcestershire sauce Soy sauce Salid oil	Parsley, fresh, chopped	Chicken, fryer, cut-up (2 pcs. per servings)

EQUIPMENT UTILIZATION

SAVORY BAKED CHICKEN CHIX PIECES, OIL, WOR. SAUCE & SEASONINGS BAKING PANS PACKS OVEN (31) TABLE FARSLEY FOIL PANS LIDDER (56) LABELER (70) BLAST FREEZER (59)PALLETIZE STORAGE FREEZER (63)

OPERATIONAL GUIDE FOR CHICKEN VEGA L-127 INGREDIENTS & BATCH SIZE

Est. Prep Time: 4.8 hours Approx. Yield: 300 & 500 servings	<u>Utensil</u>	Steamer	Kettle	Kettle Whip Pot	44. * ga 17.	Measuring stick	
z of 2 pc 6 oz rice	500 Servings 80-gal Kettije	250.00	30.00	7.50 2.50 7.50	7.50	To make 8.75 gal	2.8
Servings/Container: 6 oz of 2 pc and 6 oz rice	300 Servings 60-gal Ketthe	150.00	30.00	4.7.4. 4.8.6.	4.50 3.39	To make 5.25 gal	
Servings/Co	100 Servings. (1b)	20.00	10.00	1.88.1 8.00 1.50	1.50	To make	1.00
Temme	*Index	280	8200	3050	2360 or 13980 8300		11290
Controlling Equip: Kettle, Steamer Container Wt:	Ingredients	<pre>Chicken, broiler-fryer cut-up (2 pc per Serving)</pre>	Rice Water	Wilk, nonfat, dry Water, drippings Soup & Gravy Base,	Unicken Butter or Margarine Flour, wheat	Water	Dehydrated Onion Soup
Controll	Steps	H	N N	m		#	<i>I</i> C

* FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 77

OPERATIONAL GUIDE FOR CHICKEN VEGA L-127 INSTRUCTIONS

C

		Check <u>Points</u>	Time (Minutes)
NOT	E: This product requires work space for hand-filling half-size steamtable aluminum pans.		
0-	Verify components (including washed and drained cut up chicken), ingredients, and spices as to number and amounts received from Prep. Area.		10
00-	Deliver chicken parts to steamer area, rice and remaining ingredients to Kettle Area.		10
1	Separate chicken parts so as to fill steamer pans with one type part only; i.e., all legs, all wings, all thighs, and all breasts per pan. Place panned chicken in steamer and cook to an internal temperature of 160 F (about 15 minutes). Cool and hold for Step 5 below.		35
2=	Place water in steam-jacketed kettle and bring to a rolling boil. Slowly add rice, stirring until water returns to boiling point; continue to boil for 2 minutes, shut off steam. Cover kettle and let stand for 10 minutes (until all water is absorbed). Allow to cool. Hold for Step 5 below.		130
3-	Melt margarine in kettle, slowly add flour with constant stirring to make roux. Cook for five minutes, breaking all lumps. Mix dry milk and soup and gravy base with hot water in a pot (caution: heat if necessary to dissolve chicken base). Add milk mixture to roux slowly with constant stirring until mixture thickens. Shut off steam. Shut off agitator.		60
4-	Raise level (volume) of mixture in kettle with water to required number of gallons using measuring stick. Mix well.		10
5-	Transfer gravy to filling machine.		10

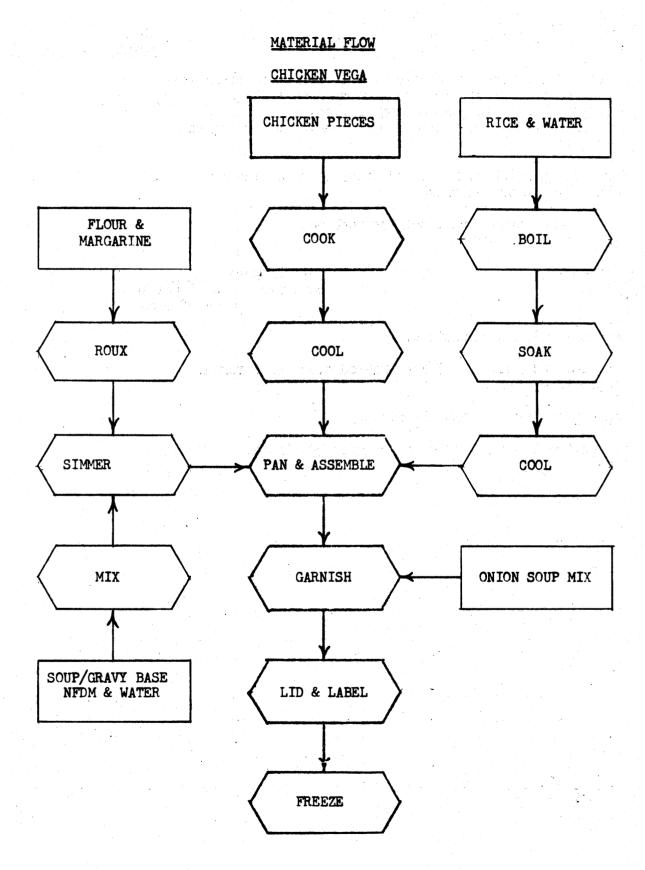
		Points	(Minutes)
6-	Place 36 oz of cooled, cooked rice in half-size steamtable aluminum pans. Place 12 pieces of chicken (3 legs, 3 wings 3 breasts, and 3 thighs) on top of rice. Cover chicken with 12 oz gravy. Sprinkle 1 oz of dehydrated onion soup over gravy.	5,	20
	Ovor Bravy's		20
7-	Pass panned chicken, rice, and gravy through lidding machine to cover and close.		10
8-	Pass covered pans thru labelling machine. Labels should read:		10
	Chicken Vega Net Wt: Date Prepared: Servings: 6 of 2 pcs 6 oz of re	s and ice	

Reconstitution Instructions:

Heat covered pans in 325°F preheated ovens to internal temperature of 165°F.

Convection oven: 1 hour 15 minutes

Conventional (ordinary) oven: 1 hour 30 minutes

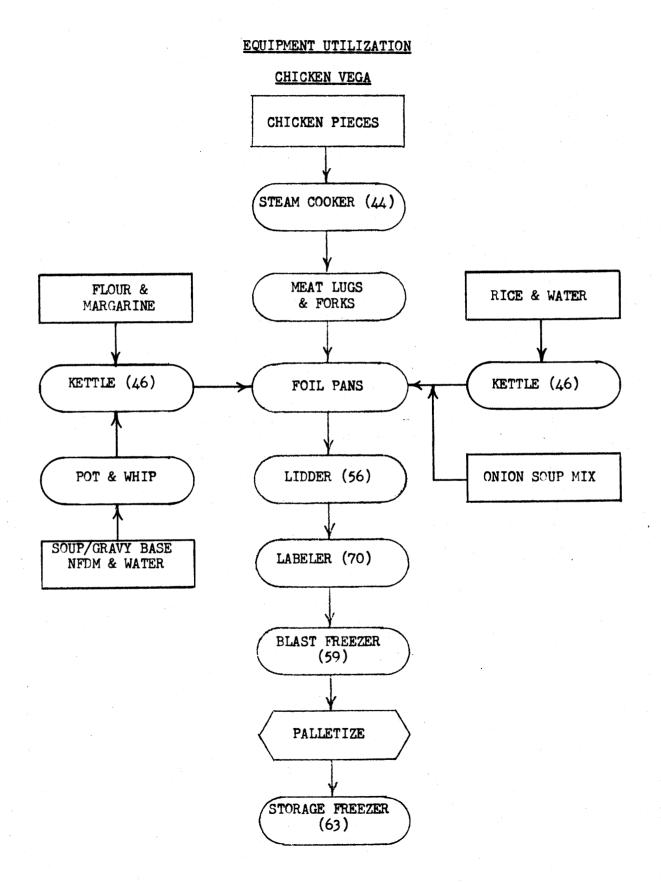


GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENT" PREPARATION - CHICKEN VEGA

Prepare items for transportation in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. or

Ingredients	300 500 Servings Servings (1bs)	Label Instructions for Polyethylene Bag or Box (if used)
Chicken, broiler-fryer, cut-up (2 pcs per serving)	150.00 (10 bags 250.00 (10 bags 15.00 lbs) 25.00 lbs) Bag size = 15" X 29-1/2"	Chicken for chicken vega
Rice	30.00 (2 bags 15.00 lbs) 12.50 lbs) Bag size = 15" X 29-1/2"	Rice for chicken vega
Milk, nonfat, dry Soup and gravy base, chicken	5.64 (2 bags 9.40 (2 bags 4.50 5.07 lbs) 7.50 8.45 lbs) Bag size = 10" X 18"	Milk and soup and gravy base for chicken vega
Butter or margarine	4.50 (1 bag 4.50 lbs) 7.50 (1 bag Bag size = 10" X 18"	Butter for chicken vega
Flour, wheat	3.39 (1 bag 3.39 lbs) 5.65 (1 bag 8ag size = 10" X 18"	Flour for chicken vega
Dehydrated chicken soup	3.00 (1 bag 3.00 lbs) 5.00 (1 bag 8ag size = 10" X 18"	Chicken soup for chicken vega * lbs



OPERATIONAL GUIDE FOR TURKEY A-LA-KING L-129-Ch. 2

INGREDIENTS & BATCH SIZE

C	י ע	+	· · · · · · · · · · · · · · · · · · ·	N		Steps	Controlling Equip: Container Net Wt:
water, tap	Milk, nonfat, dry Water, tap	Turkey roll, cocked diced 3/4 x 3/4 Peppers, sweet, fresh green, chopped Pimentos, canned, chopped	Salt, table Pepper, black Onion, dehyd, chopped Celery, fresh, chopped	Col-flo 67, starch Water Soup & Gravy Base, Chicken	Margarine/Butter 236 Flour, wheat	Ingredients	g Equip: Kettles Net Wt: 5.25 lb
	3050	1840 5690 5730	15850 15480 5290 4270	SP**	2360/13980 8300	*Index	
To make. 7.5 gal	0.81 7.88	20.00 0.88	0.19 0.03 5.00	1.25 25.20 0.75	2.50 1.25	100 Servings	Servings/Container:
To make 22.5 gal	2.43 23.64	2.64 64	0.57 0.09 0.39 15.00	3.75 75.60 2.25	7.50 3.75	300 Servings 40-gal Kettle (1b)	ainer: 10 of 1 cup (8 oz)
To make 37.5 gal	39.40	\$.00 \$.00	0.95 0.15 0.65 25.00	6.25 126.00 3.75	12.50 6.25	500 Servings 60-gal Kettle (1b)	e Santa de Carlos de Carlos de Carlos de Carlo
To make 60 gal	63.04	160.00 8.00 7.04	1.52 1.04 1.04 1.05	10.00 201.60 6.00	20.00 10.00	800 Servings 80-gal Kettle (1b)	Est. Prep Time: Approx. Yield:
	Pot Whip				Kettle Whip	<u>Utensils</u>	e: 4 hours : 300, 500, & 800 servings

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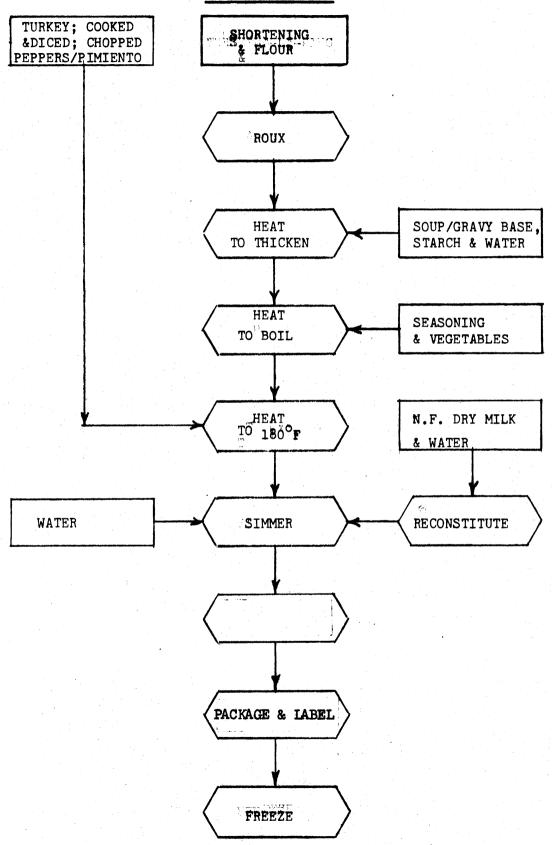
^{**} Special Purchase

OPERATIONAL GUIDE FOR TURKEY A-LA-KING L-129-Ch. 2 INSTRUCTIONS

		Check Points	Time (Minutes)
0=	Verify components, ingredients (including chopped celery, diced turkey, and chopped pimentos) and spices as to number and amounts received from Prep. Area.		
00-	Deliver all components, ingredients, etc. to the Kettle Area.		
]-	Place butter in steam kettle and heat. Stir in flour slowly; crush lumps and cook for 10 minutes to make roux. (Note: margarine may be substituted for butter.)		15
2-	Dissolve Soup and gravy base in hot water, starch in cold water and add both mixtures slowly to roux, stirring to mix well; crush all lumps. Heat with agitation till thickened (180°F).	3 	15
3-	Add salt, pepper, onions, and celery to starch-flour mixture in kettle and heat to 200 F, stirring constantly.		15
4-	Add diced turkey, green peppers, and pimentos to mixture in kettle and reheat to 180 F.	e Herena	10
5-	Reconstitute nonfat dry milk with warm water in a pot. Blend, mix with product in kettle.		
6=	Raise level (volume) of product in kettle with water; mix well, heat to simmering temperature (180°F). DO NOT BOIL.		20
7-	Transfer product to filler.		10
8-	Fill half-size steamtable aluminum pans with 5.25 pounds.		15
9-	Pass filled pans thru lidding machine to cover and close.		10
10-	Pass covered pans thru labelling machine. Labels should read:		10
	Turkey a-la-King Net Wt: 5.25 lb Date Prepared: Servings: 10 of 1 cu (8 oz)	p	

MATERIAL FLOW

TURKEY-A-LA-KING



GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - TURKEY A-LA-KING

Prepare items for transportation in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. ģ

Label Instructions for Polyethylene Bag or Box (if used)	Butter or margarine for turkey a-la-king	Flour for turkey a-la-king * lbs	Starch for turkey a-la-king * lbs	Soup and gravy base for turkey a-la-king	Salt, pepper, onions and celery for turkey a-la-king	Turkey for turkey a-la-king 20.00 lbs
800 Servings (1bs)	20.00 (1 bag 20.00 lbs) /2"	10.00 (1 bag 10.00 lbs)	10.00 (1 bag 10.00 lbs)	6.00 (1 bag 6.00 lbs)	1.52 .24 (3 bags 1.04 14.60 lbs 40.00	160.00 (8 bags 20.00 lbs) /2"
500 Servings (1bs)	12.50 (1 bag 12.50 lbs) Bag size = 15" X 29-1/2"	6.25 (1 bag 6.25 lbs) Bag size = 10" X 18"	6.25 (1 bag 6.25 lbs) Bag size = 10" X 18"	3.75 (1 bag 3.75 lbs) Bag size = 10" X 18"	0.95 0.95 15 (2 bags .65 13.38 lbs) 25.00 Bag size = 15" X 29-1/2"	100.00 (5 bags 20.00 lbs) Bag size = 15" X 29-1/2"
300 Servings (1bs)	7.50 (1 bag 7.50 lbs)	3.75 (1 bag 3.75 lbs)	3.75 (1 bag 3.75 lbs)	2.25 (1 bag 2.25 lbs)	0.57 0.09 (1 bag 0.39 16.05 1bs) 15.00	60.00 (3 bags 20.00 lbs)
Ingredients	Butter or margarine	Flour, wheat	Col-Flo 67 starch	Soup & gravy base, chicken	Salt, table Pepper, black Onion, dehydrated,chopped Celery, fresh, chopped	Turkey roll, cooked, diced 3/4" X 3/4"

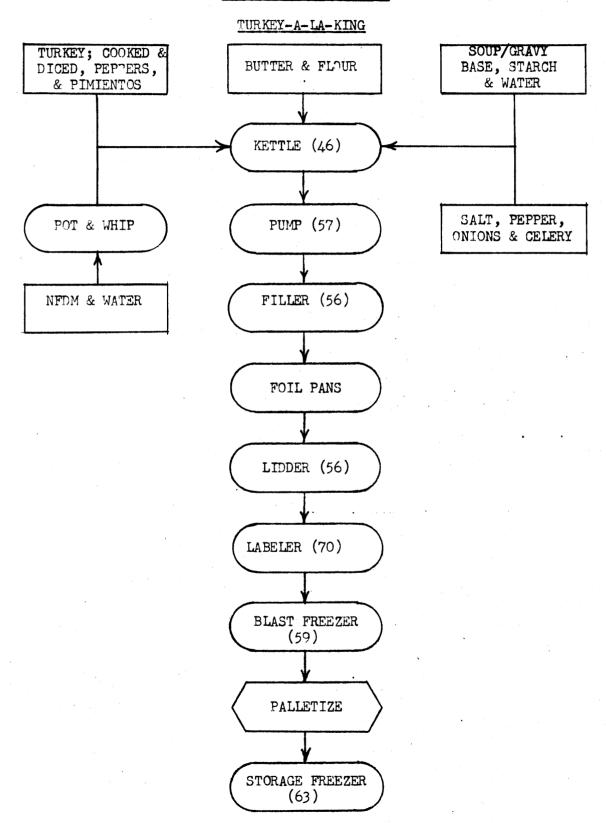
*Appropriate weight to be written is dependent on number of servings.

GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - TURKEY A-LA-KING (Cont'd)

Ingredients	300 Servings (1bs)		800 Servings (1bs)	Label Instructions for Polyethylene Bag or Box (if used)
Peppers, sweet, fresh, green, chopped Pimentos, canned, chopped	3.00 (1 bag 5.64 lbs) 2.64	5.00 (1 bag 9.40 lbs) 4.40 Bag size = 15" X 29-1/2"	8.00 (1 bag 15.04 lbs)	Peppers and pimentos for turkey a-la-king * lbs
Milk, nonfat, dry	2.43 (1 bag 2.43 lbs)	4.50 (1 bag 4.50 lbs) Bag size = 10" X 18"	6.48 (1 bag 6.48 lbs)	Milk for turkey a-la-king * lbs

*Appropriate weight to be written is dependent on number of servings.

EQUIPMENT UTILIZATION



OPERATIONAL GUIDE FOR PORK CHOP SUEY 1-80

INGREDIENTS & BATCH SIZE

Steps Controlling Equip: Kettles Container Wt: 5 lb ۲ (i) Col-flo 67, starch Ginger, ground Soy sauce, liquid Molasses, dark Salt, table Pepper, black Water Onions, dehyd, sliced Celery, fresh, sliced 3/16" x 3/4" Pork, diced 3/4" x 3/4" Water Bean sprouts, canned, drained Ingredients *Index 3680 SP** 15140 15910 9790 15480 No. 1420 4270 5310 Servings/Container: 8 of 1 cup Servings 100 0.01.01 32.00 (<u>Ib</u>) 9.026 9.18 8.01 7.5 300 Servings 40-gal Kettle To make 18.75 gal 0.78 0.06 27.54 24.03 96.00 (dI) ¥.50 Servings 60-gal Kettle (1b) 160.00 28888 88888 1.30 1.30 £0.05 31.25 gal To make 7.50 Est. Prep Time: Approx. Yield: Servings 80-gal Kettle (Ib) To make 56.25 gal Measuring stick 108.09 288.00 13.50 72.09 2.34 0.18 82.62 3.48 5.88 4.7 hours 300, 500, & 900 Pot Strainer Pot Pot Whip Pot Strainer Kettle agitating Utensils servings

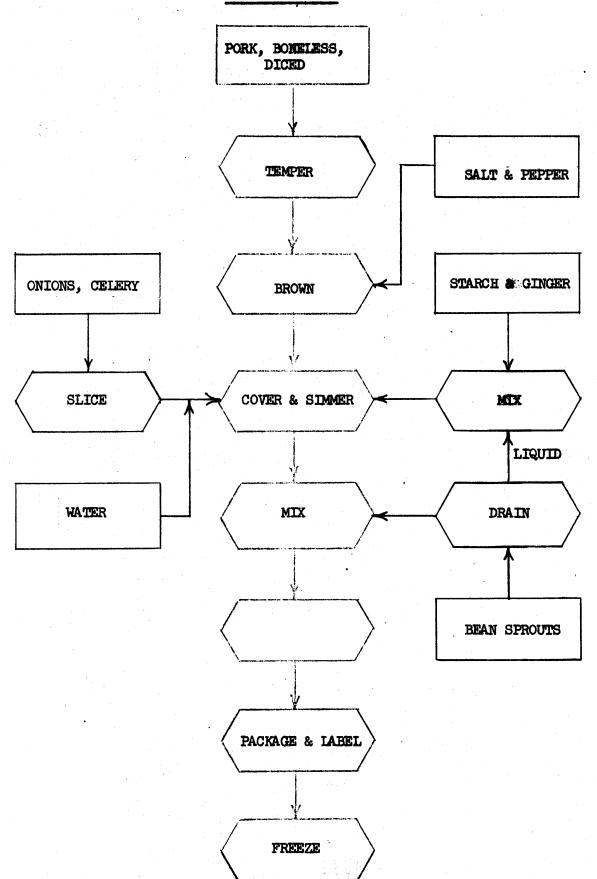
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Special Purchase

OPERATIONAL GUIDE FOR PORK CHOP SUEY L-80 INSTRUCTIONS

		Check <u>Points</u>	Time (Minutes)
0=	Verify components, ingredients, and spices as to number and amounts received from Prep. Area.		10
00-	Deliver all components etc., to the Kettle Area.		
1-	Place diced pork in steam kettle; sprinkle with salt and pepper, Brown (sear) in its own juices. Add water to browned pork in Kettle; bring to a boil; cover and simmer for 40 minutes.		20 40
2	Add onions and sliced celery to kettle and continue to cook for 20 minutes longer.		20
3-	Drain bean sprouts, reserve liquid. Combine starch and ginger with bean sprouts liquid		
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	stirring to make a smooth slurry. Add slurry slowly to pork mixture in kettle with continuous stirring and continue to cook for 20 minutes or until it thickens. Stir in bean sprouts, mix well. Add soy sauce and molasses; blend well.		20
4-	Raise level (volume) of kettle with water (using measuring stick) to required number of gallons. Shut off steam.		10
5-	Transfer product to filling machine.		10
6-	Fill each half-size steamtable pan with 5 lb of product.		10.
7-	Pass filled pans thru lidding machine to cover and close.		10
8 - .	Pass closed pans thru labelling machine. Labels should read:		10
	Pork Chop Suey Net Wt: 5 lb Date Prepared: Servings: 8 of 1	cup	
	Reconstitution Instructions:		
	Heat covered pans in 325°F preheated ovens to internal temp of 160°F. Convection Oven: approx. 1 hour 15 minutes Conventional (ordinary) oven: approx. 1 hour 30 minutes Alternatively pork chop suey may be poured (removed from foil pans) in kettle and heated to 160°F.	erature	

MATERIAL FLOW PORK CHOP SUEY



GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - PORK CHOP SUEY

Prepare items for transportation in one of the following manners:

Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire tie; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.

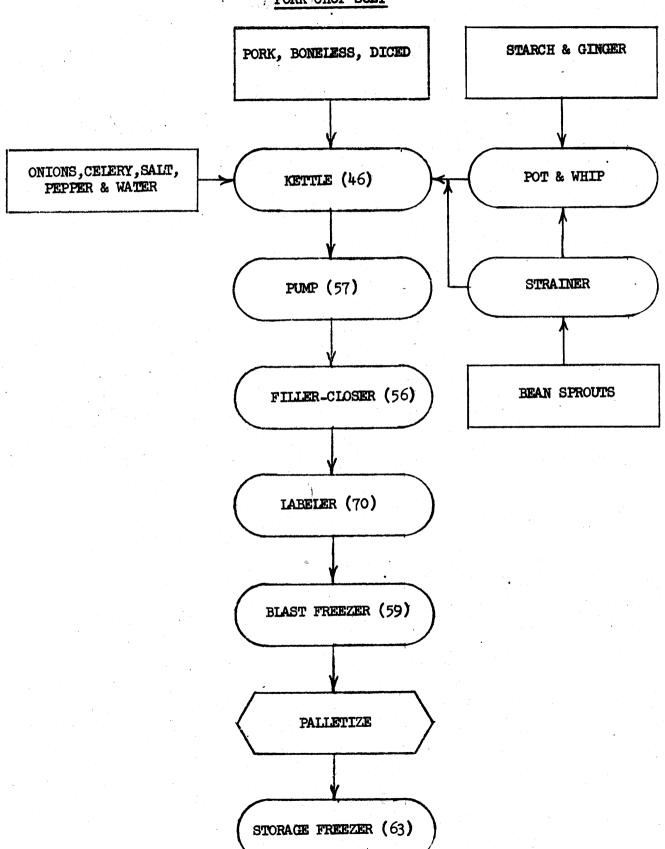
Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. 2

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ro [228	} }	
Label Instructions for Polyethylene Bag or Box (if used)	Pork, salt and pepper for pork chop suey	Onions and celery for pork chop suey	Bean sprouts for pork chop suey	Starch and spices for pork chop suey
900 Servings (1bs)	288.00 (12 bags 2.34 24.21 lbs) .18	13.50 (6 bags 72.09 14.26 lbs)	108.09 (6 bags 18.02 lbs)	11.25 (1 bag 0.09 23.50 lbs) 9.00 3.15
Ser	288.		108.	
	160.00 (6 bags 1.30 26.9 lbs) 0.10 Bag size = 15" X 29-1/2"	7.50 (3 bags 40.05 15.85 1bs) Bag size = 15" X 29-1/2"	60.05 (3 bags 20.02 lbs) Bag size = 15" X 29-1/2"	6.25 (1 bag 0.05 13.05 1bs) 5.00 1.75 Bag size = 15" X 29-1/2"
300 vings lbs)	96.00 (4 bags 0.78 24.21 lbs) 0.06	4.50 (2 bags 24.03 14.26 lbs)	36.03 (2 bags 18.02 lbs)	3.75 (1 bag 0.03 7.83 lbs) 3.00 1.05
300 Servings (1bs)	96.00	4.5(24.0)	36.0.	8.00.F
Ingredients	Pork, diced Salt, table Repper, black	Onions, dehydrated, sliced Celery, fresh, sliced	Bean sprouts, canned	Col-Flo 67 starch Ginger, ground Soy sauce, liquid Molasses, dark

*Appropriate weight to be written is dependent on number of servings

EQUIPMENT UTILIZATION PORK CHOP SUEY



OPERATIONAL GUIDE FOR ROAST PORK (LOIN) I-81-1
INGREDIENTS & BATCH SIZE

ω		Ю	Р	Steps		Control Contain
Water, tap	Col-flo 67, starch Water, tap Beef Soup & Gravy Base Pepper, black	GRAVY Meat drippings or Shortening Flour, wheat	Pork loin, boneless Salt, table Pepper, black	Ingredients		Controlling Equip: Ovens Container Net Wt:
	11,440 17,480	14080 8300	1450 15850 15480	No.	***************************************	
To make 3.25 gal	0.050	1.50 0.56	0.0 0.50 0.50	(Ib)	100 Servings	Servings/Container:
To make 9.75 gal	50.468 01.560 0300	но-gal <u>Kettle</u> 1.68	120.00 1.50 0.18	(Ib)	300 Servings	
To make 16.25 gal	00.8 00.8 00.8 00.8	40-gal <u>Kettle</u> 7.50 2.80	200.00 2.50 0.30	(<u>Ib</u>)	500 Servings	10 of 2 slices & 4 oz gravy
To make 1 26.00 gal	0.58 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4	₩-gal <u>Kettle</u> 12.00 +.48	320.00 +.00 0.48	(dI)	800 Servings	Est. Prep Time: Approx. Yield:
Measuring stick	Pot Whip	Kettle Agitating	Baking pans OVEN Baking sheets	<u>Utensils</u>		Est. Prep Time: 6.6 hours Approx. Yield: 300, 500, & 800 servings

^{*} FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 77

^{**} Special Purchase

OPERATIONAL GUIDE FOR ROAST PORK (LOIN) L-81-1 INSTRUCTIONS

		Check <u>Points</u>	Time (Minutes)
0-	Verify components, ingredients and spices as to number and amounts received from Prep. Area.		10
00-	Deliver pork loins to oven area and remaining ingredients to Kettle Area.		10
1-	Rub loins well with salt and pepper; place in baking pans and roast in preheated 325°F oven until the internal temperature (at the thickest part) is 165°F. Roasting time will be between 2 and 3 hours. Remove pork roasts from oven; transfer to baking sheets to cool. Hold for Step 4. Reserve drippings for Step 2.		150
2-	Scrape drippings from roasting pans into kettle; add shortening and heat. Sprinkle flour into drippings, and with continued stirring, cook for 10 minutes to make roux.		15
	Mix starch, water, soup and gravy base, and pepper in a pot; mix well to dissolve all lumps and slowly add to roux in kettle with constant stirring until all starch mixture is added. Heat to 200 F for 20 minutes with agitation.		30
3-	Raise level (volume) of product in kettle with water to required number of gallons. Mix well to blend. Shut off steam. Held for Step 5.		10
1+-	Slice cooled pork loin on meat slicer. Slices should weigh approximately 2 oz each. Shingle 20 slices (2-12b) of pork in half-size steamtable aluminum pans. Hold for Step 6.		20
5-	Transfer gravy to filling machine.		10
6-	Top (fill) panned pork slices with $2\frac{1}{2}$ pounds of gravy.		10
7-	Pass panned pork and gravy thru lidding machine to cover and close.	and the second s	10
8-	Pass covered pans thru labelling machine.		10

Labels should read:

Roast Pork with Gravy Net Wt:

Date Prepared:
Servings: 10 of 2 pork slices

and 4 oz gravy

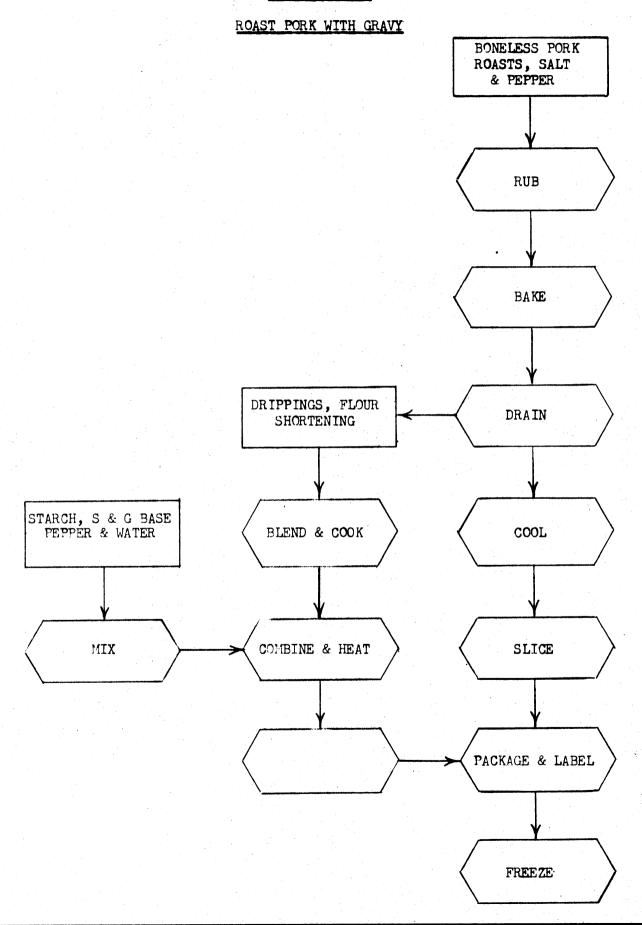
Reconstitution Instructions:

Heat covered pans in preheated 325°F oven to internal temperature of 165°F.

Convection: 1 hour 15 minutes

Convectional (ordinary) oven: 1 hour 30 minutes

233 MATERIAL FLOW



Prepare items for transportation in one of the following manners:

Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or vire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.

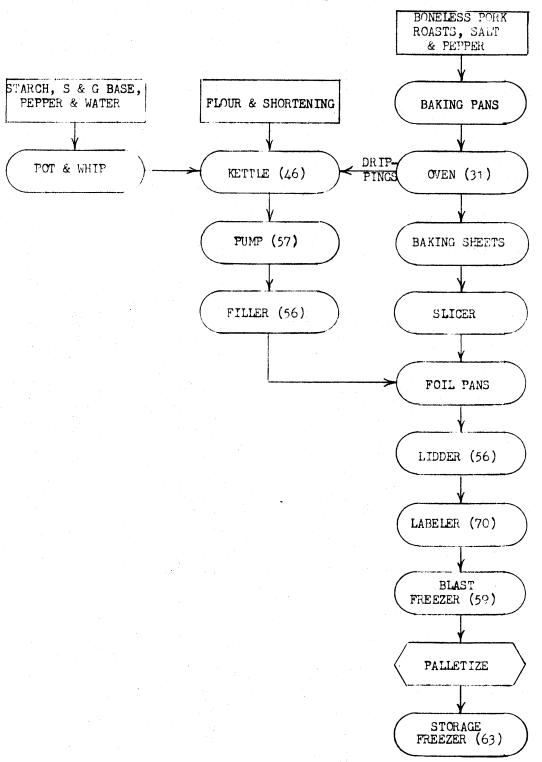
Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. ö

Label Instructions for Polyethylene Bag or Box (if used)	Pork loin for roast pork * lbs	Salt and pepper for roast pork (loin)	Shortening of dripping and flour for roast pork (loin (Gravy)	Starch, beef base and pepper for roast pork (loin) (Gravy)
800 Servings (1bs)	320.00 thylene bag with wire or ight.	4.00 (1 bag 0.48 4.48 lbs)	12.00 (1 bag 4.48 16.48 lbs)	4.48 (1 bag 4.00 .08 8.56 lbs)
500 Servings (1bs)	200.00 Place individual ham in polyethylene bag of appropriate size and seal with wire or plastic tie and label with weight.	2.50 (1 bag .30 2.80 lbs) Bag size = 10" X 18"	7.50 (1 bag 2.80 10.30 lbs) Bag size = 15" X 29-1/2"	2.80 (1 bag 2.50 .50 5.80 lbs) Bag size = 10" X 18"
300 Servings (1bs)	120.00 . NOTE:	1.50 (1 bag .18 1.68 lbs)	4.50 (1 bag 1.68 6.18 lbs)	1.68 (1 bag 1.50 .03 3.21 lbs)
Ingredients	Fork lofn, poneless	Salt, table Pepper, black Geaver	Meat dribbings or shortening	Col-Flo U7, starch Beef scap & gravy base Pepper, black

*Appropriate weight to be written is dependent on number of servings.

EQUIPMENT UTILIZATION

ROAST PORK WITH GRAVY



OPERATIONAL GUIDE FOR BAKED PORK SLICES
WITH BROWN GRAVY L-83
INGREDIENTS & BATCH SIZE

կ Water	Col-flo 67, starch Pepper, black Soup & Gravy Base, Beef Water, tap	3 Brown Gravy Flour, wheat	2 Pork slices, bnls, 1 per serving	1 Dredging Mixture Salt, table Paprika, ground, dry Oregano, ground Pepper, black Flour, wheat	Steps Ingredients		Controlling Equip: Fryer & Kettle Container Net Wt:
	15480 11440	8300	1470	15850 15440 15420 15480	*Index No.		, and a second
To make 3.0 gal	2000 5005	0.55	35.00	0.25 0.03 0.01 0.01	Servings (1b)	100	Standard Serving:
To make 9 gal	01.50 1.50 61.50 61.50	Kettle T.65	105.00	5.00 0.00 25.33	Servings Breader- Fryer (1b)	300 ·	erving: 1 slice & ½
To make 15 gal	2.75 0.05 2.50 102.10	40-gal Kettle 2.75	175.00	0.05 0.05 0.05 0.05	Servings Breader- Fryer (1b)	500	cup
To make 24 gal	163.36	Kettle	280.00	2.00 0.24 0.08 14.00	Breader- Fryer (1b)	800	gravy Est Prep Approx.
Measuring stick	Whip	Kettle		Breader Fryer	<u>Utensils</u>		Est Prep Time: 4 hours Approx. Yield: 300, 500, & 800 servings

FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 77Special Purchase

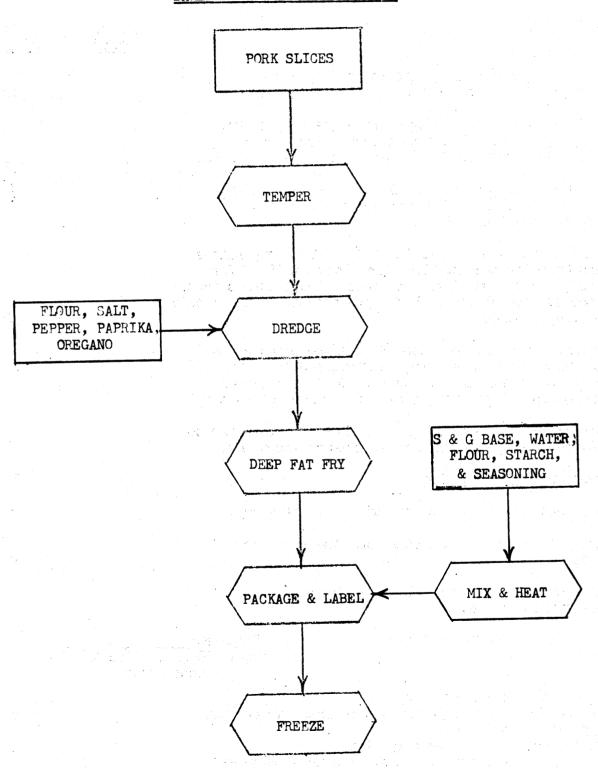
OPERATIONAL GUIDE FOR BAKED PORK SLICES WITH BROWN GRAVY L-83 INSTRUCTIONS

			Check <u>Points</u>	Time (Minutes)
	0-	Verify components, ingredients, and spices as to number and amounts received from Prep. Area.		10
C	XX-	Deliver pork and dredging mixture (salt, paprika, oregano, pepper, flour) to breader-fryer area; remaining ingredients and spices to the Kettle Area.		10
	1-	Combine salt, pepper, paprika, oregano and flour; mix well to blend. Load Breading machine with blended dredging mixture.		10
	2-	Preheat continuous fryer to 350°F. Pass pork slices thru breading machine then thru fryer at 350°F for 2 to 3 minutes until golden brown. Drain pork slices. Place 10 pork slices in half-size steamtable pans; hold for Step 7 below.		30
	3 -	Combine flour, starch, pepper, beef soup and gravy base with water in kettle; stir vigorously to mix well. Crush all lumps. Heat to 200 F and simmer for 20 minutes stirring constantly. Shut off steam.		30
	4-	Raise level (volume) of gravy in kettle with water to required number of gallons using measuring stick.		10
	5 -	Transfer gravy to filler.		10
	6 -	Fill each pan of sliced pork with 2 lb of gravy.	1	20
	7-	Pass filled pans thru lidding machine to cover and close.		10
	8-	Pass covered pans thru labelling machine. Labels should read:		10
		Baked Pork Slices with Gravy Net Wt: Date Prepared: Servings: 10 of 1 s		

Reconstitution Instructions:
Heat covered pans in 325°F oven to internal product temperature of 160°F.
Convection ovens: 1 hour 15 minutes
Conventional (ordinary) ovens: 1 hour 30 minutes

MATERIAL FLOW

BAKED PORK SLICES WITH GRAVY



Prepare items for transportation in one of the following manners:

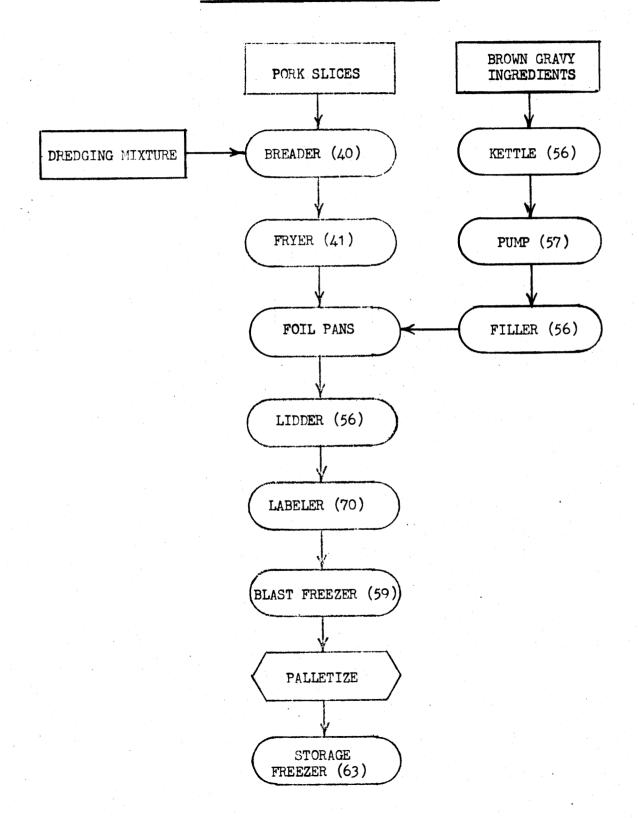
- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.

 Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid.
 - ۲: p

Ingredients	300 Servings (1bs)	Servings Servings (1bs)	Label Instructions for Polyethylene Bag or Box (if used)
Dredging Mixture		•	
Salt, table Paprika, ground, dry Oregano, ground Pepper, black Flour, wheat	0.75 .09 (1 bag .03 6.15 lbs) .03	1.25 .15 (1 bag .24 (1 bag .24 (1 bag .05 10.25 lbs) .08 16.40 lbs) .08 8.75 .05	Salt, paprika, oregano, pepper and flour for baked pork slices (dredging mixture)
Pork slices, boneless, I per serving Brown Gravy	105.00 (5 bags 21.00 lbs)	175.00 (7 bags 280.00 (14 bags 25.00 lbs) 20.00 lbs) Bag size = 15" X 29-1/2"	Pork for baked pork slices * lbs
Flour, wheat Col-Flo 67, starch Pepper, black Soup & gravy base, beef	1.65 (1 bag 1.65 4.83 lbs) .03 1.50	2.75 (1 bag 4.40 (1 bag 2.75 8.05 lbs) 4.40 12.88 lbs) .05 .08 2.50 4.00 8ag size = 15" X 29-1/2"	Flour, starch, pepper and gravy base for baked pork slices (brown gravy)

EQUIPMENT UTILIZATION

BAKED PORK SLICES WITH GRAVY



OPERATIONAL GUIDE FOR BARBECIED PORK SPARERIBS 1-92

INGREDIENTS & BATCH SIZE

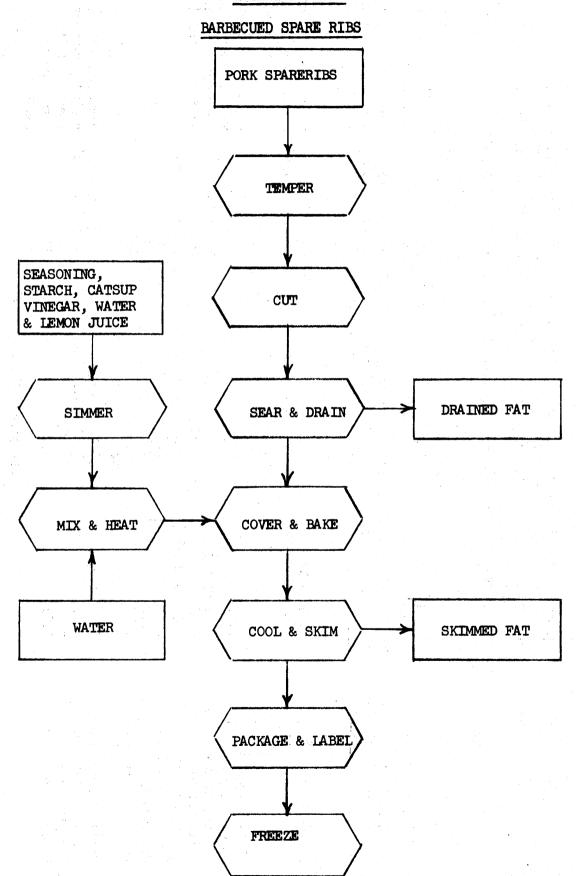
ω				. 	, P	Steps		Controlling Eq Container Net
Water	Worcestershire sauce Mustard, prepared Vinegar, cider Lemon juice Water, tap	Brown sugar, light Paprika, ground Col-flo 67, starch Catsup, tomato	repper, plack Pepper, Cayenne, red Salt, table Onion rowder	Sauce Chili powder	Pork spareribs, cut 2 ribs per piece or double rib	Ingredients		ng Equip: Oven & Kettles • Net Wt: 5 lb
	16030 16000 1960	14410 15440 15870	15510 15850 15850	11-15-00 11-00 11-00 11-00 11-00 11-00 11-00 11-00 11-00 11-00 11-00 11-00 11-00 11-00 11-00 11-00 11-	1480	*Index		
To make 5 gal	7 00 H20 88 86/8	88 <u>1</u> 8	0000	O•77	75.00	Servings (1b)	1 00	Standard Serving:
To make. 12 gal	15.00 25.00 25.00 25.00 25.00	88.000 88.000	0000	2N 2N 2N	225.00	Servings 40-gal Kettle (1b)	30	8 of & 1/1
To make 20 gal	%.55.6 8.78.88	85576 11.01	3,5,0 0,1,0 0,1,0		375.00	Servings 40-gal Kettle (1b)	500	8 of 2 double ribs & 1/4 cup sauce
To make 32 gal	888 & \$0.00 @	18+0-2-64 20-46-46-46-46-46-46-46-46-46-46-46-46-46-	0.20 50 50 50 50 50	0.6 180	600.00	Servings 60-gal Kettle (1b)	800	Est. Prep Time: Approx. Yield:
Measuring stick Skinner Pot			Whip	Kettle agitating	Oven Sheet Baking Pans Oven	<u>Utensils</u>	SHITA IBC	He: 4.6 hours

^{*} FSC Group 89 Subsistence Catalog (C8900-SI) 1 Jan 77

^{**} Special Purchase

OPERATIONAL GUIDE FOR BARBECUED SPARE RIBS L-92 INSTRUCTIONS

		Check Time Points (Minutes)
0	Verify components, ingredients, and spices as to number and amounts received from Prep. Area.	
00-	Deliver spare ribs (cut 2 ribs per piece) to oven area; remaining ingredients to Kettle Area.	10
1-	Place cut ribs in single layer, fat side up in baking pans. Bake 40 minutes in preheated 400°F oven or until golden brown. Drain ribs, if browned in deep baking pans. If in shallow pans, transfer to deep baking pans and hold for Step 4.	50
2-	Sauce: Combine all remaining ingredients in steam kettle; mix well to slurry; crush all lumps. Turn steam on and heat to boil; reduce heat and simmer 10 minutes.	20
3-	Raise level of kettle (volume) to required number of gallons with hot water using measuring stick.	
<u> </u>	Pour simmer sauce equally over browned ribs; cover and bake in preheated 325° F for $1-\frac{1}{2}$ hours. Remove lids and continue baking until ribs are tender.	100
5-	Place 16 double ribs (2 ribs per piece) in half-size steamtable pans; cool.	15
6-	Skim off excess fat from sauce. Pour 2 lb of sauce over ribs; cool.	60
7-	Pass pans thru lidding machine to cover and close.	10
8-	Pass covered pans thru labelling machine. Labels should read:	10
	Barbecued Spare Ribs Net Wt: Date Prepared: Servings: 8 of 2 dou & 1/4 cup	
	Reconstitution Instructions: Heat covered pans in a preheated 325°F oven to internal temperature of 160°F. Convection Ovens: 1 hour 15 minutes Conventional Ovens (ordinary): 1 hour 30 minutes	



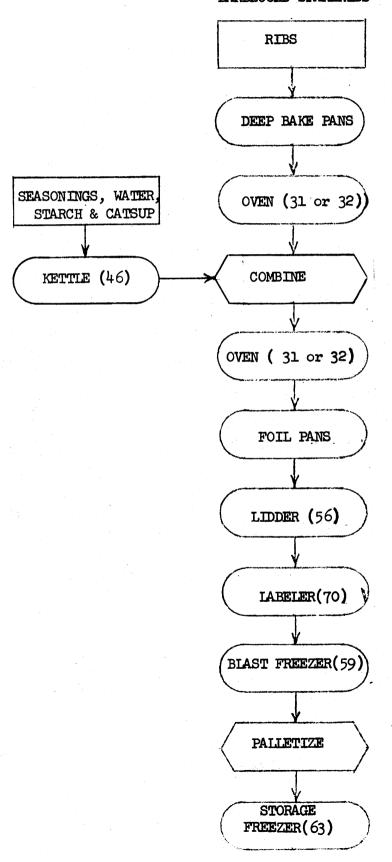
Prepare items for transportation in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with oractic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If wire ties; label with label instructions. Place bagged items in wire baskets for transportation. In side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened smish to shipment, cover with plastic lid. 5

Label Instructions for Polyethylone Bag or Bcx (if used)	Pork sparenibs for barbecued pork sparenibs 15.00 lbs	Catsup for barbecued no pork spareribs (sauce) £ 23.00 lbs	Chili, pepper (2), salt, onlon, sugar, paprika, and starch for barbecued pork spareribs (sauce) * Ibs Worcestershire sauce, mustard, vinegar and lemon juice for barbecued pork spareribs (sauce)
sbu (s)	600.00 (40 bags 15.00 lbs)	184.00 (8 bags 23.00 1bs)	6.00 0.16 (1 baq 2.00 0.56 14.74 lbs) 2.64 6.88 2.40 16.00 (3 baqs 8.00 15.33 lbs) 16.00 6.00
500 800 Servings Servings (1bs)	375.00 (25 bags 600.0 15.00 lbs) Bag size = 15" X 29-1/2"	115.00 (5 bags 23.00 lbs) Bag size = 15" X 29-1/2"	3.75 0.10 0.10 1.25 1.25 0.35 0.35 9.25 lbs) 0.56 1.65 0.55 1.50 Baq size = 15" X 29-1/2" 10.00 (2 baqs 5.00 14.35 lbs) 16.00 16.00 3.75 Baq size = 15" X 29-1/2" 16.00 16.00 16.00
300 Servings (1bs)	225.00 (15 bags 15.00 lbs)	69.00 (3 bags 23.00 lbs)	2.25 0.06 (1 bag 0.75 0.21 5.55 1bs) 0.99 0.33 0.90 6.00 (1 bag 3.00 17.25 1bs) 6.00
Ingredients	Pork spareribs, cut 2 ribs per piece or double rib Sauce	Catsup, tomato	Chili powder Pepper, black Pepper, cayende, red Salt, table Onion, powder Brown sugar, light Paprika, ground Col-Flo 67 starch Worcestershire sauce Mustard, prepared Vinegar, cider Lemon juice

EQUIPMENT UTILIZATION

BARBECUED SPARERIBS



OPERATIONAL GUIDE, FOR BRAISED SPARERIBS

WITH SAUEEKRAUT L-93
INGREDIENTS & BATCH SIZE

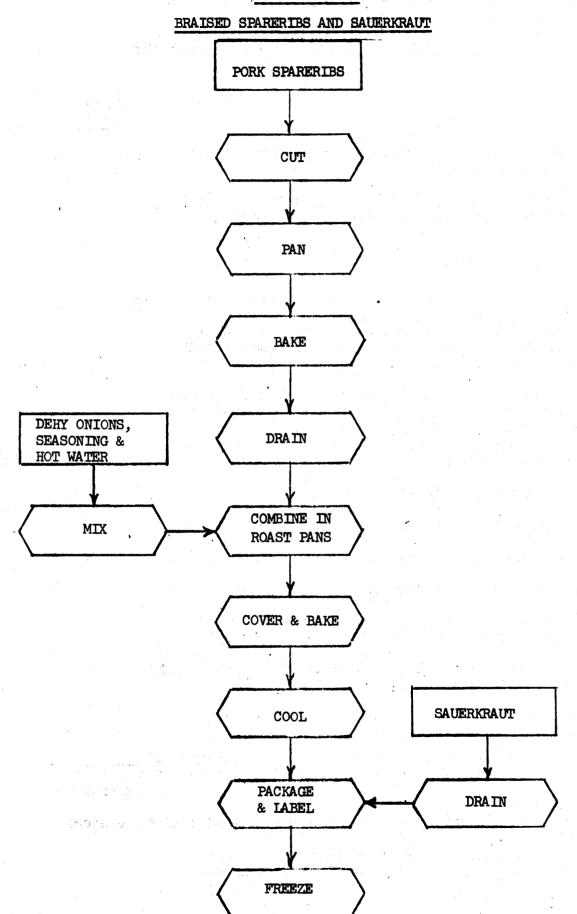
2 Onions, dehyd, chopped 5310 0.70 2.10 3.50 Salt, table 15850 0.40 1.20 2.00 Pepper, black 15480 0.06 0.18 0.30 Water, tap 24.00 72.00 120.00		1 Pork Spareribs - 2 ribs per piece serving) 1400 75.00 225.00 375.00	100 300 500 Servings Servings Servings. Vindex (1b) (1b) (1b)	Controlling Equip: Ovens Container Net Wt: Approx. 5 lb
	575	8	dex	
	24.0	75.0	100 Servir (<u>1</u> b)	Standaı
				d Servings:
				13 of 2 doubl ½ cup sauekra
				1
	1.90 2.80 0.42 168.00	525.00	700 Servings OVEN (1b)	Est Prep. Time Approx. Yield:
	Pot or Kettle Whip	0ven	Iltensi 1s	Approx. Yield: 3.9 hours Approx. Yield: 300, 500, & 700 servings

^{*} FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 77

OPERATIONAL GUIDE FOR BRAISED SPARERIBS WITH SAUERKRAUT L-93

		Check <u>Points</u>	Time (Minutes)
TOV	E: This product requires work space for hand-filling teamtable pans.		
0-	Verify components (including ribs, cut 2 ribs/piece) ingredients and spices as to number and amounts.		
00-	Deliver components, ingredients and spices to the Kettle Area. Deliver Ribs to oven area.		10
1-	Check ribs for proper cut of 2 ribs per piece. Place ribs in single layer, fat side up in baking sheet pans. Bake in 400°F oven for about 40 minutes or until golden brown. Drain browned ribs or transfer ribs to field lugs (50 portions per pan).		60
2-	In a large pot or kettle combine onions, salt, pepper, and water; mix thoroughly and spread evenly over ribs. Bake covered at 325° F for approximately $1-\frac{1}{2}$ hours or until ribs are tender. Remove from oven and cool to room temperature.		110
3-	When ribs are cooled, pan as follows:		
	(a) Spread 8 double ribs over bottom of pan.		30
	(b) Spread 1 pound of drained sauerkraut over ribs.		
	(c) Spread 8 more double ribs over sauerkraut.		
	(d) Spread 1 pound of drained sauerkraut over the last layer of ribs.		
	Pass pan of spareribs with sauerkraut thru lidding machine to cover and close.		10
5 -	Pass covered, closed pans thru labelling machine. Labels should read:	e e e e e e e e e e e e e e e e e e e	10
	Braised Spareribs W/Sauerkraut Net Wt: Approx 5 lb Date Prepared: Servings: 8 of	2 ribs & p sauerkraut	:
	Reconstitution Instructions: Heat covered pans in preheated 325°F ovens to internal temp of 160°F. Convection ovens: 1 hour 15 minutes Conventional (ordinary) oven: 1 hour 30 minutes		

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MATERIAL FLOW



GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - BRAISED SPARERIBS WITH SAUERKRAUT

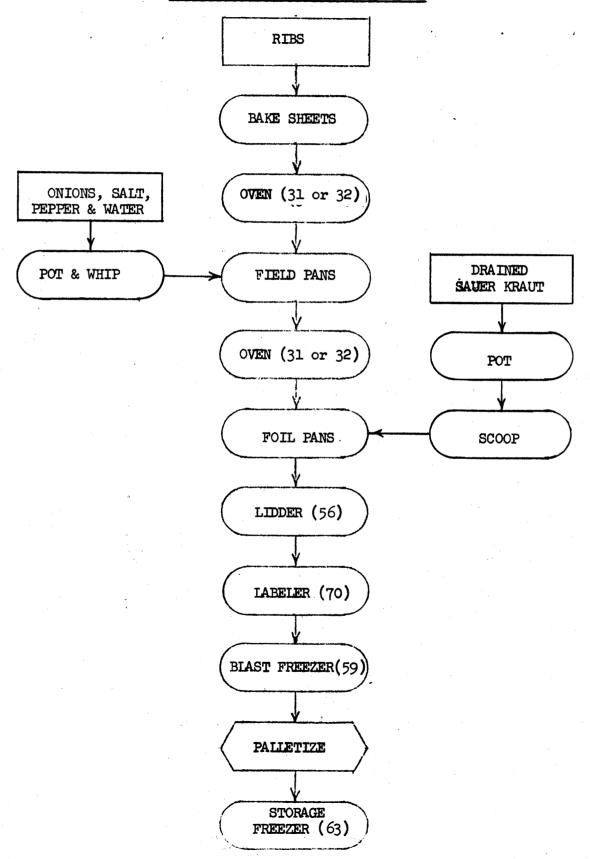
Prepare items for transportation in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. 2 S

•	300	200	200	Label Instructions for
Ingredients	Servings (1bs)	Servings (1bs)	Servings (1bs)	Polyethylene Bag or Box (if used)
Pork spareribs - 2 ribs piece (2 pieces per	225.00 (9 bags 25.00 lbs)	375.00 (15 bags 25.00 lbs)	525.00 (21 bags 25.00 lbs)	Pork spareribs for braise spareribs w/sauerkraut
serving)		Bag size = 15" X 29-1/2"		25.00 lbs
Onions, dehydrated,	2.10 (1 bag	3.50	4.90	Onions, salt and pepper for braised spareribs
Salt, table Pepper, black	1.20 3.48 lbs) 0.18	2.00 5.80 lbs)	2.80 8.12 lbs) 0.42	with sauerkraut 642
		Bag size = 10" X 18"		* lbs
Sauerkraut, canned, drained	78.00 (6 bags 13.00 lbs)	130.00 (10 bags 13.00 lbs)	182.00 (14 bags 13.00 lbs)	Sauerkraut for braised spareribs w/sauerkraut
		Bag size = 15" X 29-1/2"	_	13.00 lbs

EQUIPMENT UTILIZATION

BRAISED SPARERIBS AND SAUERKRAUT



OPERATIONAL GUIDE FOR SWEET AND SOUB PORK L-82

INGREDIENTS & BATCH SIZE

Steps Controlling Equip: Container Net Wt: 4 2 ىب Water Soy Sauce Salt, table Egg, whole, beaten Peppers, sweet, fresh, green, diced or strips Col-flo 67, starch Salt, table Col-flo 67, starch Sugar, granulated <u>Sauce</u> Pineapple juice, beansprout liquid, & water Pineapple, chunks, Bean sprouts, canned Pork, diced 3/4" X Garlic, powder Vinegar, white canned sauce Ingredients Fryer & Kettles 5 lb *Index 1420 2620 15910 SP** 15850 4700 15936 16000 No \$P** 9930 5690 3680 Servings/Container: 9 of 1 cup 100 Servings #00.26 % # 0.00 % # 0 To make 7 gal (<u>Ib</u>) 12.96 6,48 0.99 2.25 1.99 300 Servings 40-gal Kettle To make 21 gal 19.14 38.00 2.888 8.00 38.888 (dI) 2.97 2.97 500 Servings 60-gal Kettle 130.16 0.66 20.00 160.00 +.80 +.80 To make 35 gal 64.80 32,40 11.25 4.95 0.05 9.95 Est. Prep Time: 6.4 hours Approx. Yield: 300, 500, & 800 800 Servings 80-gal Kettle 256.00 7.68 7.68 7.68 32.00 32.00 36.45 36.45 103,68 To make... 56 gal 51.84 (<u>Ib</u>) 15.92 18.00 0.08 0.08 7.92 Pot Whip Kettle Measuring stick Pot Fryer Mixer Strainer Pot & Whip Utensils servings

FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 77Special Purchase

OPERATIONAL GUIDE FOR SWEET AND SOUR PORK L-82 INSTRUCTIONS

		Check <u>Points</u>	Time (Minutes)
0-	Verify components, ingredients, and spices as to number and amounts received from Prep. Area.		10
00-	Deliver diced pork, egg, soy sauce, starch, salt, and garlic powder to mixing area; pineapple, bean sprouts and remaining ingredients to kettle area.		
1	Place pork pieces in mixer. Combine eggs (beaten), soy sauce, starch, salt, and garlic powder. Stir until blended. Pour egg mixture over meat and mix to coat pieces. Let stand 10 minutes to mariante: fry coated pork in deep fat fryer preheated to 360°F for approximately 2 minutes or until internal temperature is 160°F. Hold for Step 4.		25 20
.2∞	Drain bean sprouts and pineapple chunks. Hold for Step 4. Use liquid in (Step 3) next operation.		10
3	Sauce: In kettle, combine bean sprout liquid, pineapple juice, salt, sugar, starch, soy sauce with water if necessary to make required amount; mix to make slurry; crush all lumps. Add green peppers and cook mixture for 20 minutes or until mixture is thickened.		25
}	Add diced fried pork pieces, bean sprouts, and pine- apple chunks to the thickened pepper mixture. Mix well and heat to 180°F. Add vinegar; mix thoroughly, Raise level (volume) of kettle with water to required number of gallons using measuring stick; mix well.		20
5-	Pump product to filler.		10
6-	Fill half-size steamtable pans with 5 lb of product.		10
7-	Pass pans thru lidding machine to cover and close.		10
8=	Pass closed pans thru labelling machine. Labels should read:		
	Sweet and Sour Pork Net Wt: 5 lb Date Prepared Servings: 9 c		

Reconstitution Instructions:

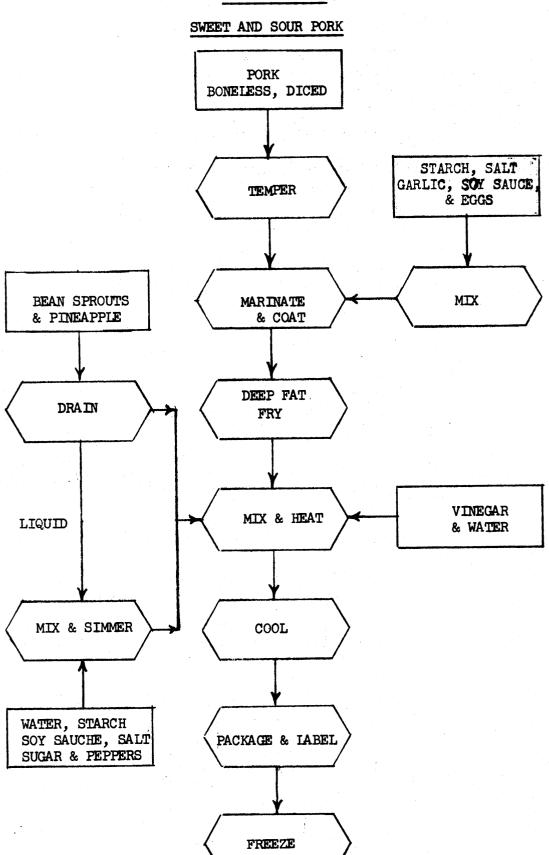
Heat covered pans in 325°F preheated oven to internal temperature of 160°F.

Convection oven: 1 hour 15 minutes

Conventional (ordinary) oven: 1 hour 30 minutes

Alternatively the Sweet & Sour Pork may be poured (removed from pans) in kettle and heated to 160 F.

MATERIAL FLOW



GENERAL PACKAGING INSTRUCTIONS FOR INCPENIENTS PREPARATION

Prepare items for transportation in one of the following manners:

- wire ties; label with label instructions. Place bagged items in wire baskets for transport plastic food boxes are used for transportation, they shall be lidded and labelled (preferral Secure all bags at Place items in specified amounts in appropriate size polyethylene bag. wire ties; label with label instructions. Place bagged items in wire b side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened shipment, cover with plastic lid. 5

Ingredients	309 Servings (15s)	Servings Servings (15s)		Label In Actions for Polyacte and Sag or Box
Pork, diced 3/4" X 3/4"	96.09 (4 bags 24.00 lbs)	160.00 (8 bags 20.00 lbs) Bag size = 15" X 29-1/2"	256.00 (10 bags 25.6 lbs)	Pork for sout and sour pork
Eggs, whole, beaten Soy sauce Col-Flo 67 starch Salt, table Garlic powder	2.88 (1 bag 2.88 (1 bag 2.88 9.39 lbs) 0.72 0.03	4.80 (1 bag 7.68 (4.00 15.65 lbs) 7.68 (1.20 0.05 8ag size = 15" X 29-1/2"	2 bags 12.52 lbs)	7.68 (2 bags salt and sour pork \$1.92 (1.92) sweet and sour pork \$1.08 (1.92) sweet and sour pork \$1.92 (1.92) sweet and sour pork \$1.92
Bean sprouts, canned	38.88 (2 bags 19.44 lbs)	64.80 (3 bags 21.60 lbs) Bag size = 15" X 29-1/2"	6 bags 17.28 lbs)	103.68 (6 bags Bean sprens for sweet 17.28 lbs) and sour sork lbs
Pineapple, chumks, canned	19.44 (1 bag 19.44 lbs)	32.40 (2 bags 16.20 lbs) Bag size = 15" X 29-1/2"	51.84 (3 bags 17.28 lbs)	3 bags Pineapple for sweet 17.28 lbs) and sour park
Pineapple juice and water	78.06 (6 bags 13.01 lbs)		16 bags 13.01 lbs)	208.16 (16 bags Pineapple juice and 13.01 lbs) water for sleet and sour pock
		Bag size = 15" X 29-1/2"		1bs

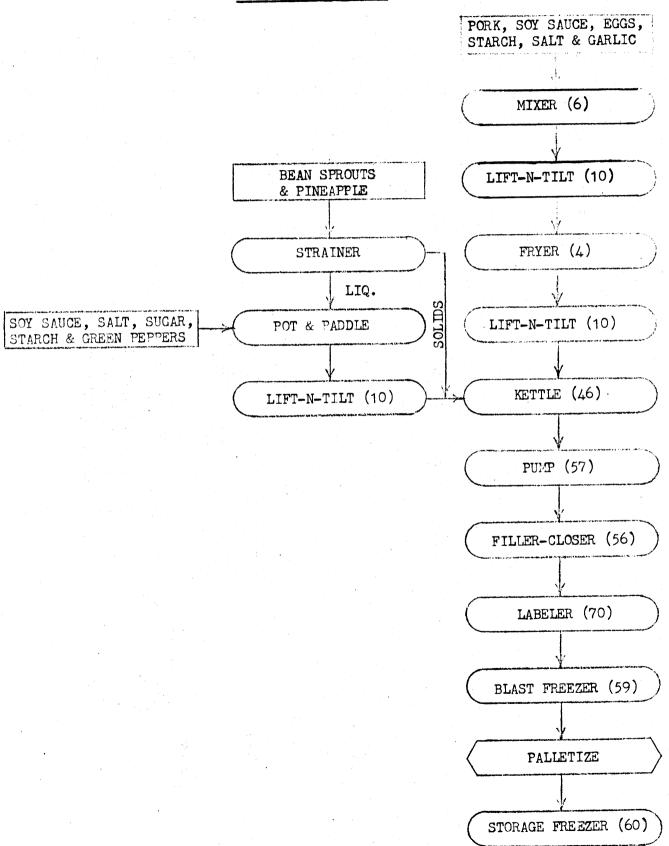
GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - SWEET AND SOUR PORK (Cont'd)

Ingredients	300 Servings (1bs)	500 Servings (1bs)	Servings (1bs)	Label Institutions for . Polyethylphe Bag or Box (75 used)
Soy sauce Salt, table Sugar, granulated Col-Flo 67 starch Peppers, sweet, fresh, green, diced or strips	1.44 0.36 (2 bags 12.00 11.37 lbs) 2.97 5.97	2.40 .60 (3 bags 20.00 12.63 lbs) 4.95 9.95 Bag size = 15" X 29-1/2"	3.84 .96 (6 bags 32.00 10.11 1bs) s 7.92 15.92	Soy sauce, salt, sugar, starch and puppers for sweet and sour pork
Vinegar, white	6.75 (1 bag 6.75 lbs)	11.25 (1 bag 11.25 lbs) Bag size = 15" X 29-1/2"	18.00 (2 bags 9.00 lbs)	Vinegar for sweet and sour pork

*Appropriate weight to be written is dependent on number of servings.

257 <u>EQUIPMENT UTILIZATION</u>

SWEET AND SOUR PORK



OPERATIONAL GUIDE FOR GLAZED HAM LOAF L-56(2) INGREDIENTS & BATCH SIZE

4	ω		N	N	۲	Steps	Contro: Contair
GIAZE Brown sugar Mustard, dry, ground Vinegar, cider	Shortening	Pepper, black Eggs, whole, beaten	Milk, nonfat, dry Water, tap Bread, dry, broken Onions, dehyd, chopped	Pork butts, ground 3/16 inch	Ham, cooked, ground 3/16 inch	Ingredients	Controlling Equip: Mixer, Ovens Container Net Wt:
9870 15280 16000	14080	15480 2620	3050 6920 5290	1350	1040	*Index No.	
1.00 0.13 0.75	0.50	0.02 1.75	0.36 0.16 0.16	12.00	18.00	100 Servings (1b)	Servings/Container:
2.03 2.39 2.39	1.50	5.25 25	11.25 6.00 0.48	36.00	54. 00	300 Servings (1b)	ntainer: 13
5.00 3.75	2.50	0.10 8.75	1.80 18.75 10.00 0.80	60.00	90.00	500 Servings (1b)	13 of 1 slice
6.00 0.78 4.50	3.00	0•12 10•50	22.50 22.50 12.00 0.96	72.00	108.00	600 Servings	Est. Prep Time: Approx. Yield:
Pot Whip		Oven	Pot & Whip Mixer		Grinder	<u>Utensils</u>	Est. Prep Time: 5 hours Approx. Yield: 300, 500, & 600 servings

* FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 77

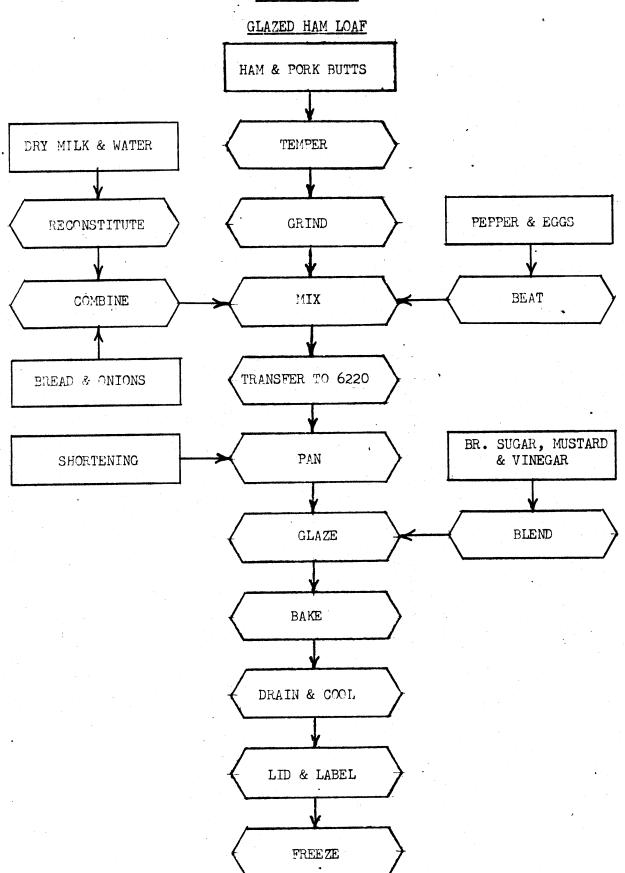
OPERATIONAL GUIDE FOR GLAZED HAM LOAF L-56(2) PREPARATION AREA INSTRUCTIONS

		Check <u>Points</u>	Time (Minutes)
]	Ham and Pork Butts should be cut in pieces to fit meat grinder. Grind meat thru 1/2- or 3/4-inch plate and then regrind thru 3/16-inch plate. Hold meat for Step 2 below.		30
2-	Reconstitute dry milk with water; add onions and broken bread mix to moisten bread. Let stand ten minutes and mix again until smooth.		20
	(a) Add beaten eggs, pepper, ham, and pork to milk- bread mixture in mixer and mix until blended. Pack meat mixture in shipping containers to be transferred to Central Kitchen. Keep refrigerated until shipped.		10

OPERATIONAL GUIDE FOR GLAZED HAM LOAF L-35(2) CENTRAL KITCHEN INSTRUCTIONS

		Check <u>Points</u>	Time (Minutes)
0=	Verify bulk Ham Loaf mixture, shortening, and glaze ingredients (brown sugar, mustard and vinegar) received from Prep. Area as to quantity and state of refrigeration.		10
00-	Note: Steps 1 and 2 are performed in Preparation Area; glaze preparation and baking in Central Kitchen as Step 3, etc.		
	Lightly grease half-size steamtable aluminum pans with shortening and load with 5-½ pounds of bulk ham loaf mixture. Pack pans well to eliminate air pockets and voids, pat top evenly to smooth out. CARE MUST BE EXERCISED NOT TO DISTORT ALUMINUM PANS WHILE HANDLING. COVERS WILL NOT FIT DISTORTED OR DENTED PANS.		20
4-	Combine brown sugar, ground mustard, and vinegar, blend well to dissolve all lumps. Pour 4 oz of resulting glaze mixture over each panned ham loaf. Place glazed ham loaf in preheated 350 F oven and bake for 1-2 hours or until an internal temperature of 165 F is attained.		100
5-	Take cooked panned loaves out of oven; remove (drain off) excess liquids and set aside to cool to room temperature (70-75 F).		90
6-	Pass cooled panned ham loaves thru lidding machine to cover and close.		10
7=	Pass covered pans thru labelling machine. Labels should read:	e e e e e e e e e e e e e e e e e e e	10
	Glazed Ham Loaf Net Wt: Date Prepared: Servings: 13 of 4 of	Z	
	Heat covered pans in preheated 325°F oven to internal temperature of 165°F.		en de des
	Convection Ovens: 1 hour 15 minutes		
	Conventional (ordinary) Ovens: 1 hour 30 minutes		

MATERIAL FLOW



GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - GLAZED HAM LOAF

Prepare items for transportation in one of the following manners:

Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.

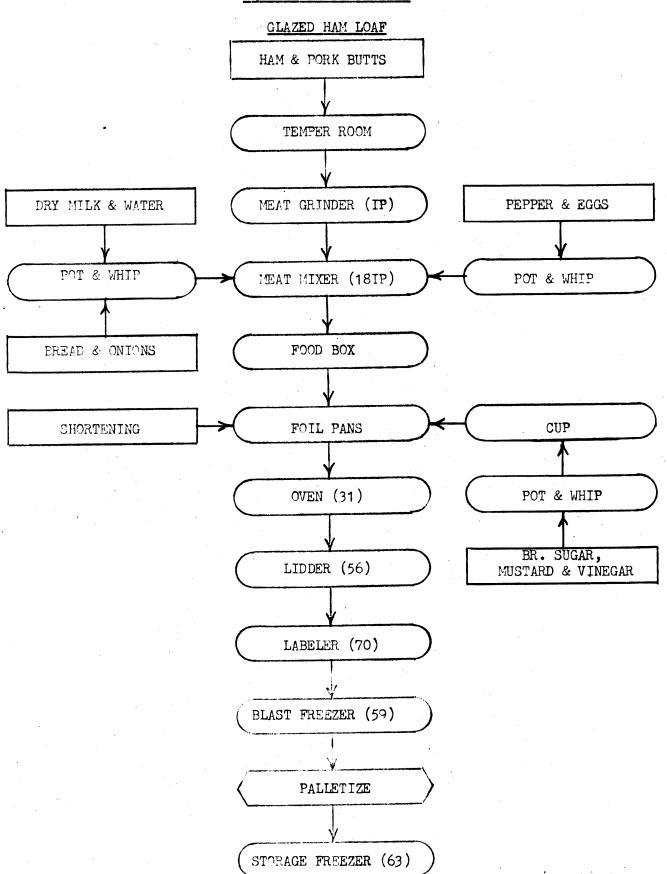
Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid.

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Ingredients	300 Servings (1bs)	500 Servings (1bs)	600 Servings (1bs)	Label Instructions for Polyethylene Bag or Box (if used)
Ham loaf mixture*	114.12 (6 bags 19.02 lbs)	190.20 (10 bags 19.02 lbs)	228.24 (12 bags 19.02 lbs)	Ham loaf mixture for glazed ham loaf
		Bag size = 15" X 29-1/2"	.5.	19.02 lbs
Shortening	1.50 (1 bag 1.50 lbs)	2.50 (1 bag 2.50 lbs)	3.00 (1 bag 3.00 lbs)	Shortening for glazed ham loaf
		Bag size = 10" X 18"		262 sql **
GLAZE				
Brown sugar Mustard, dry, ground Vinegar, cider	3.00 (1 bag 0.39 5.64 lbs) 2.25	5.00 (2 bags 0.65 4.70 lbs) 3.75.	6.00 (2 bags 0.78 5.64 lbs) 4.50	Sugar, mustard and vinegar for glazed ham loaf (Glaze)
		Bag size = 10" X 18"		** lbs

 ** Appropriate weight to be written is depender on number of servings. *The mixture is prepared in Ingredients Preparation Area.

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OPERATIONAL GUIDE FOR ROAST FRESH HAMS
WITH GRAVY L-72-1
INGREDIENTS & BATCH SIZE

Ú	,	N		Н	Steps	Control Contain
water, tap	Col-flo 67, starch Water, tap Beef Soup & Gravy Base Pepper, black	Meat Drippings or Shortening Flour, wheat	<u>GRAVY</u>	Pork Ham, uncured, boneless Salt, table Pepper, black	<u>Ingredients</u>	Controlling Equip: Oven Container Net Wt:
	SP** 11440 15480	14080 8300		1430 15850 15480	*Index No.	
To make 3.5 gal	0.03	1.50		0.50 0.50	100 Servings (1b)	Standard Ser
To make 9.75 gal	7.50 0.03	1.50 1.68		123.00 1.50 0.09	300 Servings (1b)	Standard Servings: 2 slices (4 oz)
To make 16.25 gal	0.2.55 0.55 0.55 0.55 0.55 0.55 0.55 0.5	2.50 2.80		205.00 2.50 0.15	500 Servings (Ib)	ces (4 oz)
To make 26.00 gal	13#:\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	84.4 21. 21.		328.00 4.00 0.24	800 Servings	Est. Prep Time Approx. Yield:
Measuring stick	Pot and Whip	Kettle		Baking Pans OVEN Baking sheets	Utensils	Est. Prep Time: 7.6 hours Approx. Yield: 300, 500, & 800 servings

FSC Group 89 Subsistence Catalog (C8900-SL) 1 Jan 77

^{**} Special Purchase

OPERATIONAL GUIDE FOR ROAST FRESH HAMS WITH GRAVY L-72-1 INSTRUCTIONS

		Check <u>Points</u>	Time (Minutes)
O-	Verify components, ingredients and spices as to number and amounts received from Prep. Area.		10
00-	Deliver pork hams to oven area and remaining ingredients to Kettle Area.		10
1-	Rub hams well with salt and pepper; place in baking pans and roast in preheated 325°F oven until the internal temperature (at the thickest part) is 165°F. Roasting time will be between 3 and 5 hours. Remove ham roast from oven; transfer to baking sheets to cool. Hold for Step 4. Reserve drippings for Step 2.		230
2-	Scrape drippings from roasting pans into kettle; add shortening and heat. Sprinkle flour into drippings and with continued stirring; cook for 10 minutes to make roux.		15
	Mix starch, water, soup & gravy base, and pepper in a pot; mix well to dissolve all lumps and slowly add to roux in kettle with constant stirring until all starch mixture is added. Heat to 200 F for 20 minutes with agitation.		30
3-	Raise level (volume) of product in kettle with water to required number of gallons. Mix well to blend. Shut off steam. Hold for Step 5.		10
1	Slice cooled pork hams on meat slicer. Slices should weigh approximately 2 oz each. Shingle 20 slices (2- $\frac{1}{2}$ lb) of pork into half-size steamtable aluminum pans Hold for Step 6.	• • • • • • • • • • • • • • • • • • •	20
5-	Transfer gravy to filling machine.		10
6-	Top (fill) panned pork slices with $2-\frac{1}{2}$ pounds of gravy.		10
7-	Pass panned pork and gravy thru lidding machine to cover and close.		10
8-	Pass covered pans thru labelling machine.		10

Labels should read:

Roast Fresh Ham w/Gravy Net Wt: Date Prepared:
Servings: 10 of 2 ham slices
and 4 oz gravy

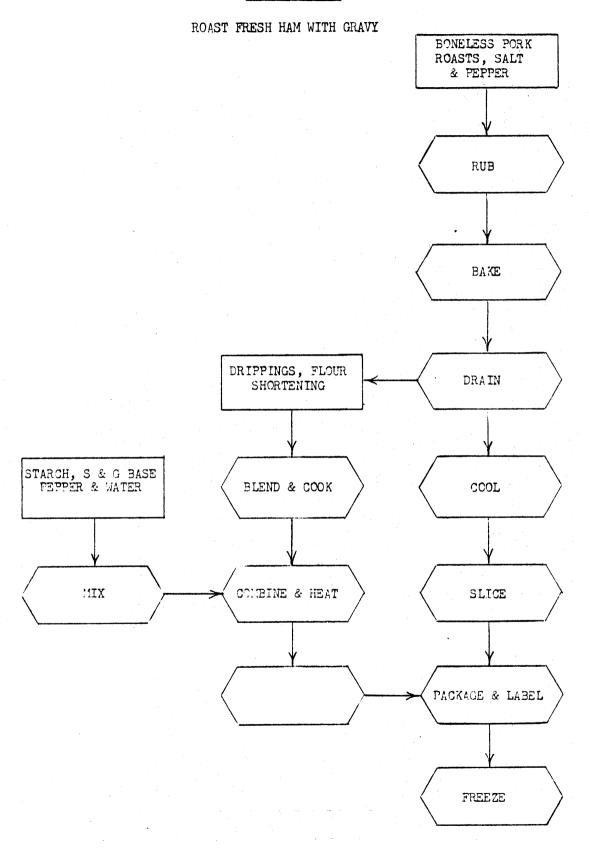
Reconstitution Instructions:

Heat covered pans in preheated 325°F oven to internal temperature of 165°F.

Convection oven: 1 hour 15 minutes

Conventional (ordinary) oven: 1 hour 30 minutes

267 MATERIAL FLOW



ROAST FRESH HAMS GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION -

Prepare items for transportion in one of the following manners:

- Place items in specified amounts in appropriate size polyethylene bag. Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment.
 - Place #10 cans of ingredients in wire baskets for transportation. NOTE: If cans are opened prior to shipment, cover with plastic lid. 2

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Ingredients	300 Servings (1bs)	500 Servings (1bs)	800 Servings (1bs)	Label Instructions for Polyethylene Bag or Box (if used)
Pork ham, uncured, boneless	123.00 NOTE: Place of a	205.00 Place individual ham in polyethylene bag of appropriate size and seal with wire or plastic tie and label with weight.	328.00 lene bag h wire ight.	Ham for roast ham * lbs
Salt, table Pepper, black	1.50 (1 bag 1.50 lbs)	2.50 (1 bag 2.50 lbs) Bag size = 10" X 18"	4.00 (1 bag 4.00 lbs)	Salt and pepper for roast fresh hams
GRAVY			•	
Meat drippings or	4.50 (1 bag	7.50 (1 bag	12.00 (1.bag	Shortening of dripping
Snorvening Flour	1.68 6.18 lbs)	2.80 10.30 1bs) Bag size = 15" X 29-1/2"	4.48 16.48 lbs)	fresh hams (Gravy)
Col-Flo 67, starch	1.68 (1 bag	2.80 (1 bag	4.48 (1 bag	Starch, beef base and
Pepper, black	.03 3.21 lbs)	.50 5.80 lbs) Bag size = 10" X 18"	.08 8.56 lbs)	ham (Gravy)

*Appropriate weight to be written is dependent on number of servings.

Secure all bads with plastic or

The present in specified amounts in abandaniate size polyethylene bag.

for transportation in one of the following manners:

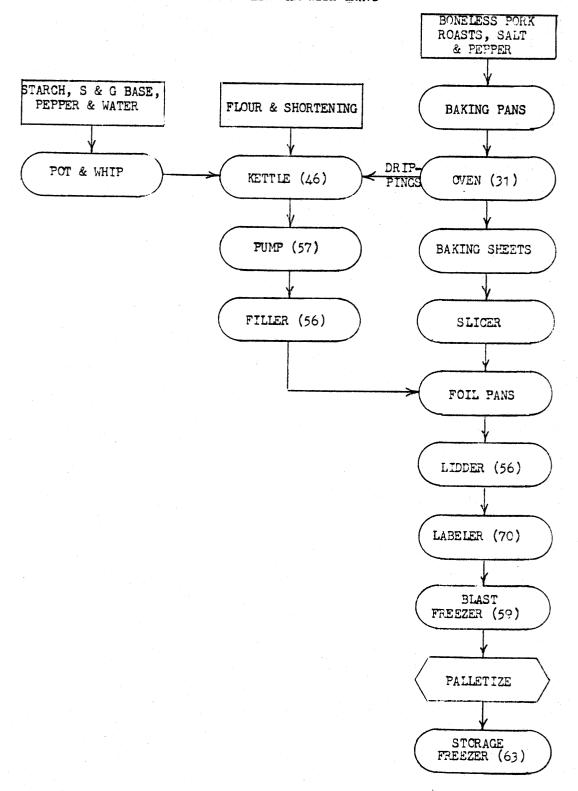
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*/Descripte weight to be written is dependent on number of servings.
**Individual roasts will be placed in each bag for shipment from Ingredient Preparation Area.
***Shortening will be used only when drippings from the cooked roasts are not used.

EQUIPMENT UTILIZATION

ROAST FRESH HAM WITH GRAVY



Secure all bags with plastic or

	led (preferably on the		NOTE: If cans are opened prior to	
	ided and label			`
ここ うごうょう サリののけい ひつせつ こうこう	cortation, they shall be lic	10年の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の	baskets for transportation.	
ション・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	clostic food boxes are used for transportation, they shall be lidded and labelled (preferably on the	side of the box) prior to shipment	Place all cans of ingredients in whire baskets for transportation.	snipment, cover with plastic im.
	() () () () () ()	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	2. 93,800 4	

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Tems in specified amounts in appropriate size polyethylene bag. Secure all bags with plast test label instructions. Place bagged items in wire baskets for transportation.

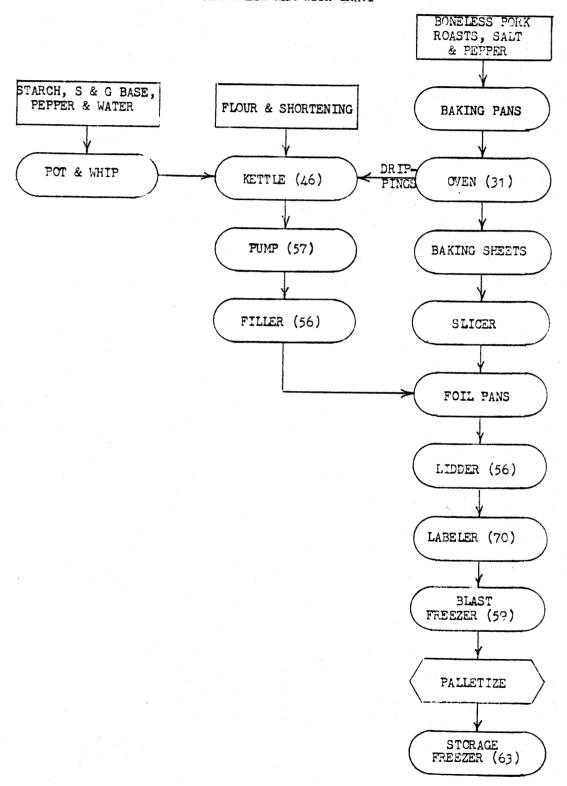
Prapare its - for transportation in one of the following manners:

Label Instructions for Polyethylene Bag or Box (if used)	Beef for Roast Beef	Sait and pepper for Roast Beef	Shortening for Roast (bs) Beef (Gravy)	Flour for Roast Beef (Sravy) * lbs	Soup & gravy base, carmel coloring, starch and pepped for Roast Beef (Gravy)
Servings (1bs)	320** X 29-1/2"	3.04 (1 bag ss) 0.16 3.20 lbs) X 29-1/2"	13.04 (2 bags ss) X 18" 6.52 lbs)	7.44 (1 baq ss) X 18" 7.44 1bs)	4.00 0.08 (1. bag 0.08 (1. bag 4.96 9.20 1bs) 0.16 x 18"
\$500 \$ervings (1bs)	200*** Bag size = 15" X 29-1/2"	1.00 (1 bag .) .10 2.00 1bs) &ag size = 15" X 29-1/2"		4.65 (1 bag 4.65 1bs) 3ag size = 10" X 18"	2.50 0.05 (1 bag 3.10 5.75 lbs) 0.10 Bag size = 10" X 18"
Servings (1bs)	120**	1.14 (1 bag .05 1:20 lbs)	4.89 (1 baq 4.89 lbs)	2.79 († bag 2.79 (bs)	ter 1.59 ter 0.03 (1 bag 1.86 3.45 lbs) 0.06
Ingredients	Seef, buls, over roast	Salt, table Penner, black	Shortening***	Flour	Soup & gray, base, beef Carmel coloring, powder Col-Flo 67 starch Pepper, 5lack

aced in each bag for shipment from Ingredient Preparation Area. when drippings from the cooked roasts are not used. is dependent on number of servings. * Appropriate weight to be written ***Shortening will be used on **Individual roasts will be

EQUIPMENT UTILIZATION

ROAST FRESH HAM WITH GRAVY



OPERATIONAL GUIDE FOR VEAL PARMESAN INGREDIENTS & BATCH SIZE

	ω				N	Н	Steps	Controlling Equip: Container Net Wt:
Water	Water Col-flo 67, starch	Parmesan cheese, grated Sugar, white Salt Oregano, ground Basil, ground	<pre>Tomatoes, canned, whole in heavy puree Tomato Puree</pre>	Onions, dry, sliced Garlic, fresh, chopped Salad Oil	SAUCE	Veal Cutlets, breaded 1 cutlet per serving	Ingredients *	ng Equip: Fryer Net Wt:
	SP**	2480 9930 15850 15420 14300	SP**	5320 14600		2010	*Index	
To make 2.75 gal	0.90 0.34	00001	8.10 10.65	0.133		35.00	100 Servings	Servings/Container:
To make. 8.25 gal	2.70 1.02	0.066	24.30 31.95	1.00.45		105.00	300 Servings	
To make 13.75 gal	1.70	6.65 1.70 1.10 0.15	₩.50 53.25	3.06 2755		175.00	500 Servings	10 of 1 cutlet E & 3 oz sauce A
To make 22 gal	7.20 2.72	10.64 2.72 1.26 0.24 0.16	64.80 85.20	10.64 1.20 5.04		280.00	800 Servings	st. Prep Time: pprox. Yield:
Measuring stick	Pot & Whip			Kettle agitating		Continuous Deep Fat Fryer	<u>Utensils</u>	Est. Prep Time: 4 hours Approx. Yield: 300, 500, & 800 servings

^{*} FSC Group Subsistence Catalog (C8900-SL) 1 Jan 77

^{**} Special Purchase

OPERATIONAL GUIDE FOR VEAL PARMESAN INSTRUCTIONS

TOM	E: These instructions are based on using Breaded (Veal Cutlets.	Check <u>Points</u>	Time (Minutes)
. O-	Verify components, ingredients, and spices as to number and amounts received from Prep. Area.		10
00-	Deliver breaded veal cutlets to deep fat fryer area; remaining items to kettle area.		10
] ===	Cook breaded veal cutlets by passing thru preheated (375 F) continuous deep fat fryer to internal temperature of 160 F (about 3 minutes). Place 10 cutlets in half-size steamtable aluminum pans. Hold for Step 6 below.		30
2 - (Heat salad oil in kettle and saute chopped onions and garlic until light brown. Combine tomato products, cheese, salt, sugar, oregano, and basil; mix well; add to sauteed onions in kettle and heat to 160°F.		20
3=	Make slurry of starch and water; mix well. Add to tomato mixture in kettle and heat to 180°F; cook for 5 minutes.	Santanap a	15
4-	Raise level (volume) of product in kettle with water to required number of gallons using measuring stick; mix well. Shut off steam.		5
5-	Transfer sauce to filling machine.		10
6=	Top (fill) panned cutlets with 2-1/4 lb of sauce.		15
7-	Pass pans of Veal Parmesan thru closing machine to cover and close.		10
8-	Pass covered pans thru labelling machine. Labels should read:		10
	Veal Parmesan Net Wt: Date Prepared: Servings: 10 of & 3 oz		

Reconstitution Instructions:
Heat covered pans in preheated 325°F ovens to internal temperature of 165°F.
Convection oven: 1 hour 15 minutes
Convectional (ordinary) oven: 1 hour 30 minutes

VEAL PARMESAN ONIONS, GARLIC & OIL SAUTE TOMATO PRODS. CHEESE & HEAT STARCH & WATER SEASONING ADJUST VOLUME WATER BREADED VEAL CUTLETS FRY COMBINE PACKAGE & LABEL FREEZE

Prepare items for transportation in one of the following manners:

Secure all bags with plastic or wire ties; label with label instructions. Place bagged items in wire baskets for transportation. If plastic food boxes are used for transportation, they shall be lidded and labelled (preferably on the side of the box) prior to shipment. Place items in specified amounts in appropriate size polyethylene bag.

NOTE: If cans are opened prior to Place #10 cans of ingredients in wire baskets for transportation. shipment, cover with plastic lid.

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Label Instructions for Polyethylene Bag or Box (if used)	Veal cutlets for veal parmesan + 1bs		Onions and garlic for veal parmesan (Sauce)	Salad oil for veal parmesan (Sauce)	Tomatoes for veal parmesan (Sauce)	Tomato puree for veal parmesan (Sauce)	Cheese, sugar, salt, oregano and basil for veal parmesan (Sauce)	* lbs
800 Servings (1bs)	280.00 (14 bags 20.00 lbs)		10.64 (2 bags 1.20 5.92 lbs)	5.04 (1 bag 5.04 lbs)	64.80 (4 bags 16.20 lbs)	85.20 (4 bags 21.30 lbs)	10.64 2.72 (2 bags 1.76 7.76 lbs) 0.24	0.16
300 500 Servings Servings (1bs)	105.00 (5 bags 21.00 lbs) 25.00 lbs) Bag size = 15" X 29-1/2"		3.99 (1 bag 6.65 (1 bag 0.45 4.44 lbs) 0.75 7.40 lbs) Bag size = 10" X 18"	1.89 (1 bag 1.89 lbs) 3.15 (1 bag Bag size = 10" X 18"	24.30 (2 bags 40.50 (3 bags 12.15 lbs) 13.50 lbs) Bag size = 15" X 29-1/2"	31.95 (2 bags 15.98 lbs) 17.75 lbs) Bag size = 15" X 29-1/2"	3.99 6.65 1.02 (1 bag 1.70 (1 bag 0.66 5.82 lbs) 1.10 9.70 lbs) 0.09 0.15	0.06 0.10 Bag size = 10" X 18"
Irgredients	Veal cutlet, breaded (: cutlet per serving)	SAUCE	Onions, dry, sliced Garlic, fresh, chopped	Salad oil	Tomatoes, canned, whole in heavy puree	Tomato Puree	Parmesan cheese, grated Sugar, white Salt Oregano, ground	basil, ground

*Appropriate weight to be written is dependent on number of servings.

GENERAL PACKAGING INSTRUCTIONS FOR INGREDIENTS PREPARATION - VEAL PARMESAN (Cont'd)

300 Eabel Instructions for Servings Servings Servings Polyethylene Bag or Box (1bs)	1.02 (1 bag 1.70 (1 bag 2.72 (1 bag Starch for veal parmesan 1.02 lbs) 2.72 lbs) * 1.70 lbs
300 Servings (1bs)	1.02 (1 bag 1.02 lbs Bag
Ingredients	Col-Flo 67, starch

*Appropriate weight to be written is dependent on number of servings.

EQUIPMENT UTILIZATION

